

2009

**SUSTAINABILITY REPORTING OF THE WORLD'S LARGEST  
PHARMACEUTICAL COMPANIES**

**PACIFIC SUSTAINABILITY INDEX SCORES**

*A benchmarking tool for online sustainability reporting*

Abbott Laboratories, Amgen,  
AstraZeneca, Barr Laboratories,  
Inc., Biogen Idec Inc., Bristol  
Myers Squibb, Cephalon, Eli  
Lilly, Forest Laboratories,  
Genzyme, Gilead Sciences,  
GlaxoSmithKline, Hospira,  
Johnson & Johnson, King  
Pharmaceuticals, Merck, Mylan  
Laboratories, NBTY, Novartis,  
Pfizer, Roche Group, Sanofi-  
Avenis, Schering-Plough  
Corporation, W. S. H.  
Pharmaceuticals, Wyeth



HELPING COMMERCE  
HELP NATURE

J. Emil Morhardt, Elgeritte Adidjaja, William P. Alston, Jeffrey Alan Astor, Owen Black Brewer, Carolyn Hendricks Collins, Jaclyn T. D'Arcy, Karen de Wolski, Karen Diaz, Marshall Fisher, Tyler Andrew Hallman, Benjamin Warren Hudgens, Bukola Jimoh, Eric Robert King, Ariane Mohr-Felsen, Brittany Nunnink, Alison Ryan, Ashley Scott, Michael Handler Shoemaker, and Joseph Bryan Swartley.



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The Roberts Environmental Center publishes analyses of corporate environmental and social reports—together called sustainability reports—on the web and in special reports. We also write books about environmental and sustainability reporting, the first of which is Clean, Green, and Read All Over: Ten Rules for Corporate Environmental and Sustainability Reporting, available from ASQ Press, and publish articles in academic technical journals. All of our sector reports are available for free download at [www.roberts.cmc.edu/PSI/SectorReports.asp](http://www.roberts.cmc.edu/PSI/SectorReports.asp). Printed copies are available for purchase from the same site.

Industrial Sector**	2004	2005	2006	2007	2008	2009
Aerospace and defense			X			
Airlines				X		
Banks, Insurance					X	
Chemicals	X		X			X
Computer, Office Equipment, and Services				X		
Consumer Food, Food Production, & Beverages		X		X		
Electronics and Semiconductors	X		X		X	
Energy and Utilities*		X	X			X
Entertainment				X		
Food Services				X		
Forest and Paper Products		X		X		X
General Merchandiser				X		
Homebuilders				X		
Industrial and Farm Equipment			X			X
Mail, Freight, & Shipping			X			
Medical Products & Equipment			X			
Metals, Mining, Crude Oil*			X			
Metals					X	
Mining, Crude Oil				X		
Motor Vehicle and Parts	X		X			X
Oil and Gas Equipment				X		
Petroleum and Refining	X			X		
Pharmaceuticals	X		X	X		X
Scientific, Photo, & Control Equipment				X		
Telecommunications, Network, & Peripherals						X
Utilities, Gas, and Electric						X
Companies in China						X

\* Multiple-sector category was separated in later years.

\*\*As of November 2009.

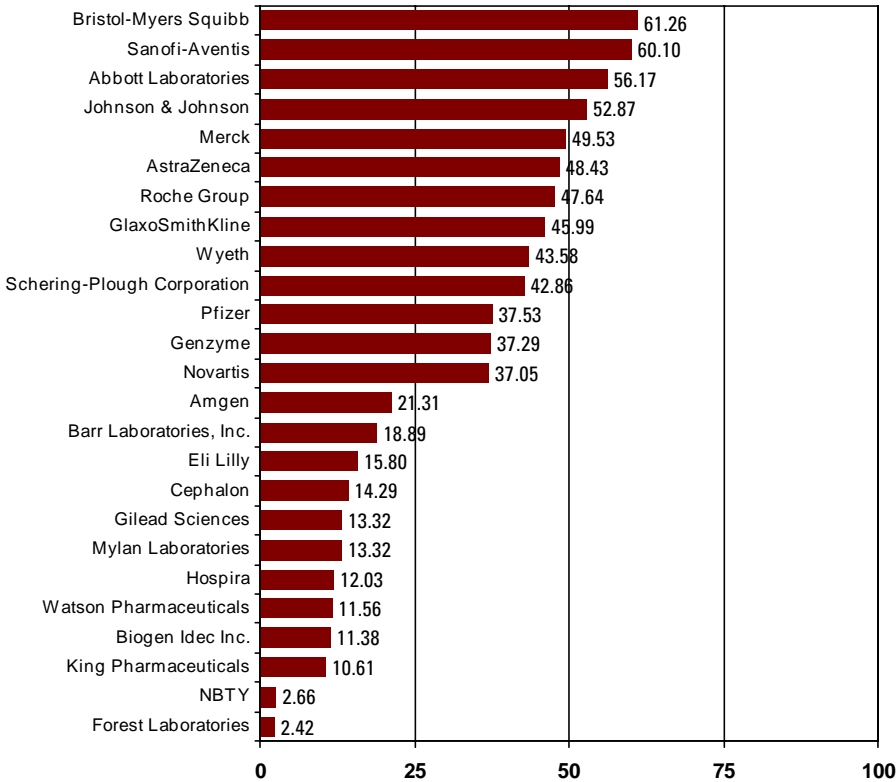
*The goal of corporate report analysis conducted by the Roberts Environmental Center is to acquaint students with environmental and social issues facing the world's industries, and the ways in which industry approaches and resolves these issues. The data presented in this report were collected by student research assistants and a research fellow at the Roberts Environmental Center. Copyright 2009 © by J. Emil Morhardt. All rights reserved.*



# PHARMACEUTICALS SECTOR

## CORPORATE ENVIRONMENTAL AND SUSTAINABILITY REPORTING

### COMPANY RANKINGS



### OVERALL GRADE

- A+ Bristol-Myers Squibb (U.S.)
- A+ Sanofi-Aventis (France)
- A Abbott Laboratories (U.S.)
- A- Johnson & Johnson (U.S.)
- A- Merck (U.S.)
- B+ AstraZeneca (U.K.)
- B+ Roche Group (Switzerland)
- B+ GlaxoSmithKline (U.K.)
- B+ Wyeth (U.S.)
- B Schering-Plough Corporation (U.S.)
- B- Pfizer (U.S.)
- B- Genzyme (U.S.)
- B- Novartis (Switzerland)
- C- Amgen (U.S.)
- C- Barr Laboratories, Inc. (U.S.)
- D+ Eli Lilly (U.S.)
- D+ Cephalon (U.S.)
- D+ Mylan Laboratories (U.S.)
- D+ Gilead Sciences (U.S.)
- D Hospira (U.S.)
- D Watson Pharmaceuticals (U.S.)
- D Biogen Idec Inc. (U.S.)
- D King Pharmaceuticals (U.S.)
- D- NBTY (U.S.)
- F Forest Laboratories (U.S.)

This report is an analysis of the voluntary environmental and social reporting of companies on the Fortune Global 500 and Fortune 500 Pharmaceuticals sector lists. Data were collected from corporate websites during the initial analysis period (dates shown below). A draft sector report was then made available online and letters were sent to all companies inviting them to review the analysis, to identify anything missed by our analysts, and to post additional material on their websites if they wished to improve their scores.

Analysis Period: 8/11/2008 through 4/14/2009  
 Draft sector report available for review: 6/15/2009 through 9/22/2009



## SUMMARY

### HIGHEST OVERALL SCORES

Bristol-Myers Squibb  
Sanofi-Aventis  
Abbott Laboratories

### LOWEST OVERALL SCORES

Forest Laboratories  
NBTY  
King Pharmaceuticals

### HIGHEST ENVIRONMENTAL REPORTING SCORES

Bristol-Myers Squibb  
Johnson & Johnson  
Sanofi-Aventis  
Abbott Laboratories

### HIGHEST SOCIAL REPORTING SCORES

Merck  
Sanofi-Aventis  
Bristol-Myers Squibb  
Abbott Laboratories  
AstraZeneca

MOST FREQUENT ENVIRONMENTAL REPORTING TOPIC                      Vision

MOST FREQUENT ENVIRONMENTAL PERFORMANCE TOPIC                      Water

MOST FREQUENT SOCIAL REPORTING TOPIC                      Policy



## LEAD ANALYST'S COMMENT



Companies in the pharmaceuticals sector place varying importance on sustainability reporting and transparency. Top scorers provide extensive reports and web pages detailing their impact, vision, programs, and goals, while low scorers rarely mention corporate responsibility. In a sector comprising predominately U.S. firms, French corporation Sanofi-Aventis received an A+ score, ranking in second place, closely behind the United States' Bristol-Myer Squibb. The rankings were slightly correlated with annual revenue of companies; however, Johnson & Johnson and Pfizer, the two largest companies in the sector, both showed room for improvement, receiving scores of B+ and B-, respectively. Conversely, the eight lowest scoring companies are of only ten firms in the sector with annual revenues lower than five billion dollars.

As in many sectors, environmental performance was the most underreported section. Fewer than 20% of the sector's companies reported biochemical oxygen demand of wastewater released, energy produced from renewable resources, carbon monoxide emissions, packaging materials waste, or packaging materials used. Across the sector, social reporting scores were generally better than scores for environmental reporting. One aspect of social reporting that is especially pertinent to pharmaceutical companies is addressing disparities in quality and availability of health care and medicine. Access to medicine in developing countries or low income communities was a significant portion of many pharmaceutical companies' sustainability reporting.

According to the Access to Medicine Foundation ([www.atmindex.org](http://www.atmindex.org)), around the world one in three people lack affordable drugs or vaccines. The foundation asserts that improved access to medicine could save ten million lives annually. The Access to Medicine Index scores pharmaceutical companies on their efforts to improve access to medicine and reduce health disparities. GlaxoSmithKline ranked first in the index, and received a B+ in the PSI scoring system. GlaxoSmithKline's corporate responsibility web pages include a detailed section on access to medicine that addresses the company's Patient Assistance Program in the US and its work abroad providing non profit medications in developing countries.

The Bristol-Myers Squibb Foundation is also dedicated to reducing the extent of health disparities around the world. Last year the foundation committed \$150 million to researching solutions for least developed countries and vulnerable populations. Bristol-Myers Squibb, which ranks 11th in the Access to Medicine Index, also works with other pharmaceutical companies, along with the United Nations, to promote increased access to treatment for HIV/AIDS. The corporation maintains a policy



of not enforcing patents for HIV/AIDS medicines in sub-Saharan Africa, and prices medicines at a level of no profit.

Sanofi-Aventis, similarly, contributes extensively to programs that help reduce the disparity in health care and access to medicine between the developed and developing world. Sanofi-Aventis details its mission and initiatives in its Access to Medicine brochure. Unfortunately, Sanofi-Aventis provides little information concerning programs it actually has in place to increase access to medicine, in least developed countries.

Allergan, Inc. provides grants to foundations that combat disease in developing countries, but provides little more information. Abbott Laboratories, which, like Allergan, received an A score in our rankings, dedicates a portion of its Global Citizenship reporting to addressing access to medicine. The corporation's HIV/AIDS medicines are provided at a no profit price in all of Africa and in the least developed countries. Abbott Laboratories reports that its drug Kaletra/Aluvia is the most affordable protease inhibitor in Africa and the least developed countries. Merck (A-), likewise, employs a policy of differential pricing which corresponds with a country's level of development and burden of disease.

Low scorers, such as Forest Laboratories and NBTY, Inc. had especially poor environmental reporting, and also largely ignored social issues on their websites, including access to health care in developing countries. As a whole, fewer than 60% of companies in the pharmaceuticals sector mentioned efforts to increase access to health care and medicine in low income areas. The lowest ranked companies consistently lacked an appropriate amount of information in all areas of scoring.

The pharmaceuticals sector certainly should continue to address social issues on which it has a direct effect, such as health disparities, as well as the important environmental challenges all corporations face. Fewer than half of the sector's companies reported using environmental accounting, green purchasing and chemistry, or concern for biodiversity, and fewer than 60% of the companies mentioned climate change. Many pharmaceutical companies have room for extensive improvements in their sustainability reporting, but companies such as Bristol-Myers Squibb and Sanofi-Aventis provide stellar examples for the rest of the sector.

**Bukola Jimoh, CMC '11**  
Roberts Environmental Center Research Analyst  
Claremont, California  
November 9, 2009

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## THE PACIFIC SUSTAINABILITY INDEX (PSI) OVERVIEW

### THE PSI SCORING SYSTEM

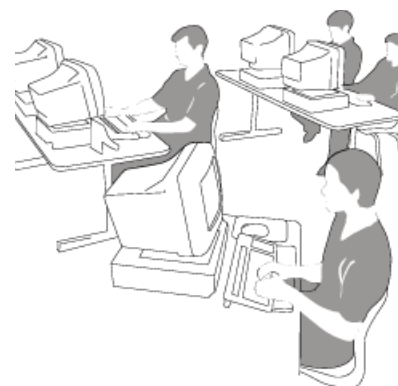
The Pacific Sustainability Index (PSI) uses two systematic questionnaires to analyze the quality of the sustainability reporting—a base questionnaire for reports across sectors and a sector-specific questionnaire for companies within the same sector. The selection of questions is based on, and periodically adjusted to, the most frequently-mentioned topics in over 900 corporate sustainability reports analyzed from 2002 through 2007 at the Roberts Environmental Center.

### THE ROBERTS ENVIRONMENTAL CENTER

The Roberts Environmental Center is an environmental research institute at Claremont McKenna College (CMC). Its mission is to provide students of all the Claremont colleges with a comprehensive and realistic understanding of today's environmental issues and the ways in which they are being and can be resolved, and to identify, publicize, and encourage policies and practices that achieve economic and social goals in the most environmentally benign and protective manner. The Center is partially funded by an endowment from George R. Roberts (Founding Partner of Kohlberg Kravis Roberts Co. and CMC alumnus), other grants, and gifts, and is staffed by faculty and students from the Claremont Colleges.

### METHODOLOGY

Student analysts download relevant English language web pages from the main corporate web site for analysis. Our scoring excludes data independently stored outside the main corporate web site or available only in hard copy. When a corporate subsidiary has its own sustainability reporting, partial credit is given to the parent company when a direct link is provided in the main corporate web site. We archive these web pages as PDF files for future reference. Our analysts use a keyword search function to search reporting of specific topics and, they fill out a PSI scoring sheet (<http://www.roberts.cmc.edu/PSI/scoringsheet.asp>), and track the coverage and depths of different sustainability issues mentioned in all online materials.



### SCORES AND RANKS

When they are finished scoring, the analysts enter their scoring results into the PSI database. The PSI database calculates scores and publishes them on the Center's web site. This sector report provides an in-depth analysis on sustainability reporting of the largest companies of the sector (up to 30), as listed in the latest Fortune Global 500 and 1000 lists. Prior to publishing our sector report, we notify companies analyzed and encourage them to provide feedback and additional new online materials, which often improve their scores.

### WHAT DO THE SCORES MEAN?

We normalize all the scores to the potential maximum score. Scores of subsets of the overall score are also normalized to their potential maxima. The letter grades (A+, A, A-, B+, etc.), however, are normalized to the highest scoring company analyzed in the report. Grades of individual companies in the report might be different from grades posted online on the Roberts Environmental Center's web site, since the normalization of scores of an individual company online is not limited to the companies analyzed in the sector report, but also includes other companies of the same sector irrespective of the year of analysis. Companies with scores in the highest 4% get A+ and any in the bottom 4% get F. We assign these by dividing the maximum PSI score obtained in the sector into 12 equal parts then rounding fractional score up or down. This means that A+ and F are under-represented compared the other grades. The same technique applies to the separate categories of environmental and social scores. Thus, we grade on the curve. We assume that the highest score obtained in the sector and any scores near it represent the state of the art for that sector and deserve an A+.



## SCORING CRITERIA

### INTENT

The intent category measures the coverage and company’s involvement in general environmental or social issues. The criteria for achieving a score in the Intent category are a discussion of the topic and an example of an initiative or action taken by the reporting company on the topic.

### REPORTING

Reporting scores reflect transparency in publicly discussing the company’s dealings with environmental issues independent of success in making improvements. The maximum score for each topic in the Reporting category is five points, relating to both qualitative and quantitative elements.

Three points are available for qualitative topics:

1. Discussion of the topic
2. Initiative or action taken by the company on the topic
3. Demonstration of an external context that shows how performance relates to that of peer companies, to that of industry standards, or demonstrates recognition from third parties, such as awards.

Five points are available for quantitative topics:

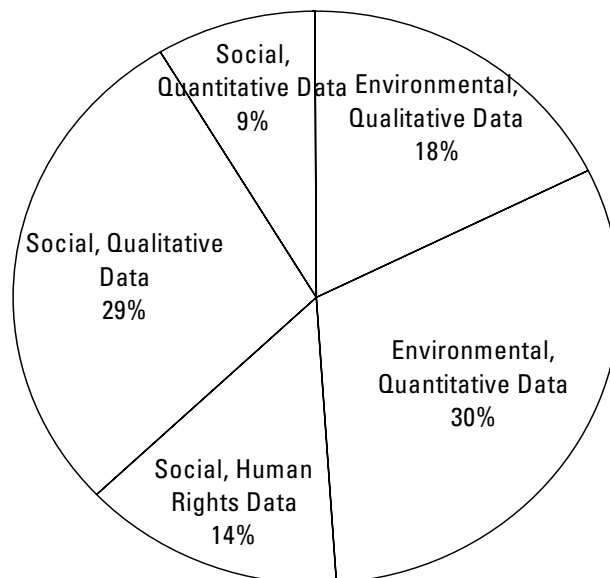
1. A discussion on the topic
2. An external context
3. One or more explicit numerical goals
4. A numerical measure of performance of the topic
5. One or more previous measures of numerical performance.

In addition to these scores, in the social reporting category, there is a series of 11 human rights topics that are given seven points each if they are mentioned.

### PERFORMANCE

For quantitative topics, when the current performance is superior to that previously reported, we give one point. Another point is awarded if the latest numerical value of the quantitative performance is above the mean value of all of the performance values we have for the particular sector. Thus, individual companies cannot be scored fully independent of data from other companies in the sector.

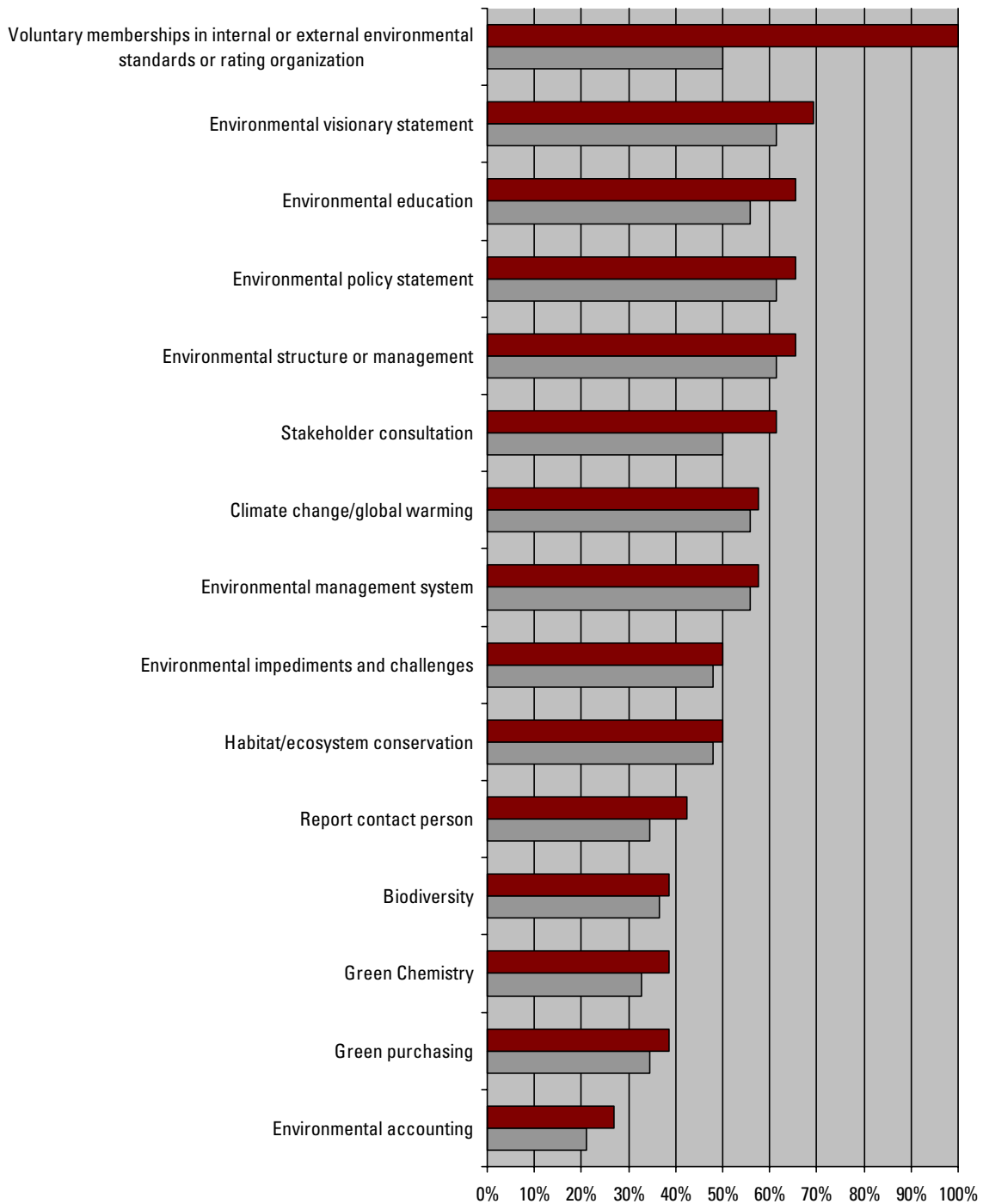
### DISTRIBUTION OF SCORES BY TOPICS





## PHARMACEUTICALS

### ENVIRONMENTAL INTENT ELEMENT OF THE PSI SCORES

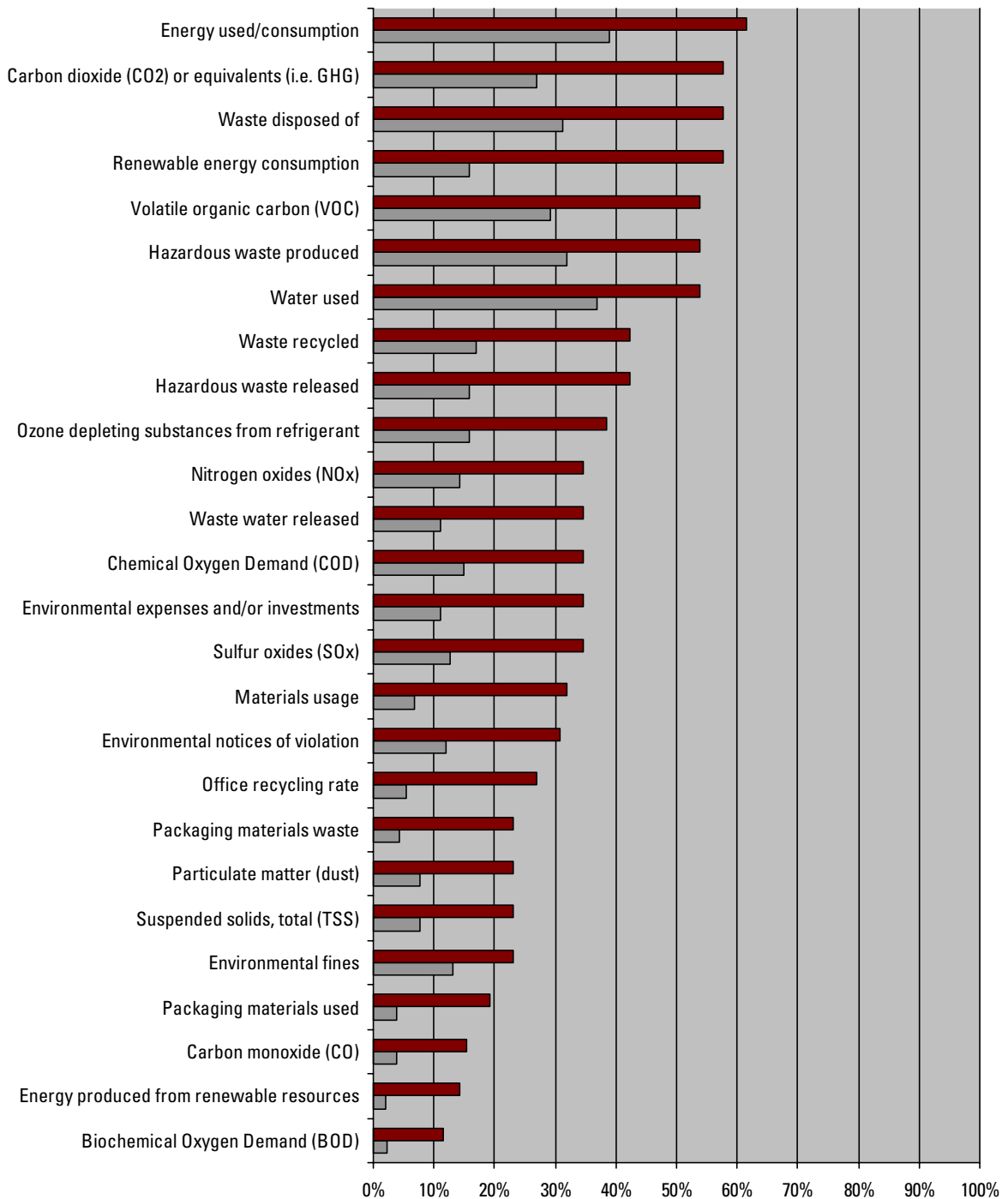


= Percentage of companies addressing the topics.  
 = Percentage of the total possible number of points awarded to all companies combined for each topic.



## PHARMACEUTICALS

### ENVIRONMENTAL REPORTING ELEMENT OF THE PSI SCORES

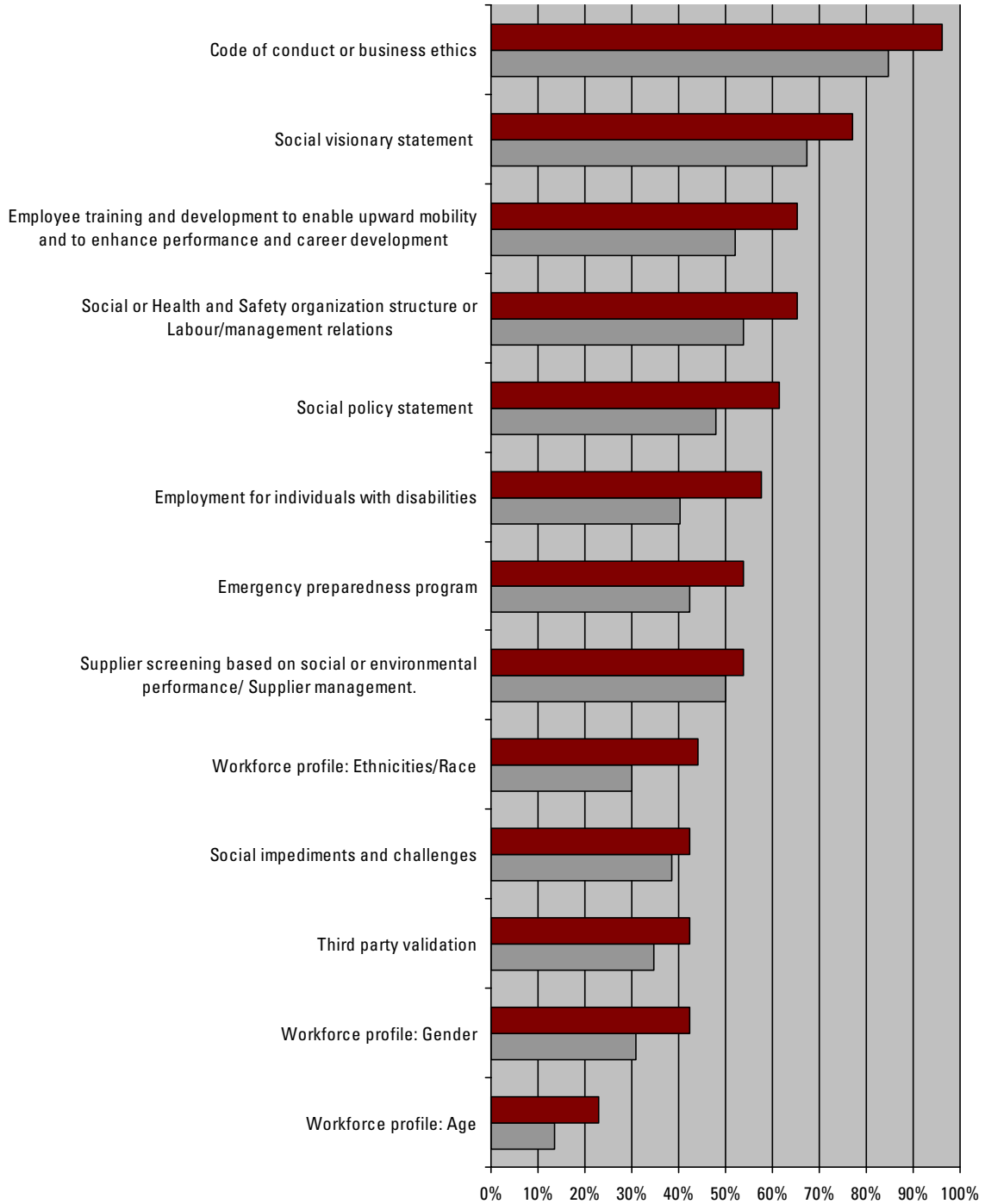


= Percentage of companies addressing the topics.  
 = Percentage of the total possible number of points awarded to all companies combined for each topic.



## PHARMACEUTICALS

### SOCIAL INTENT ELEMENT OF THE PSI SCORES

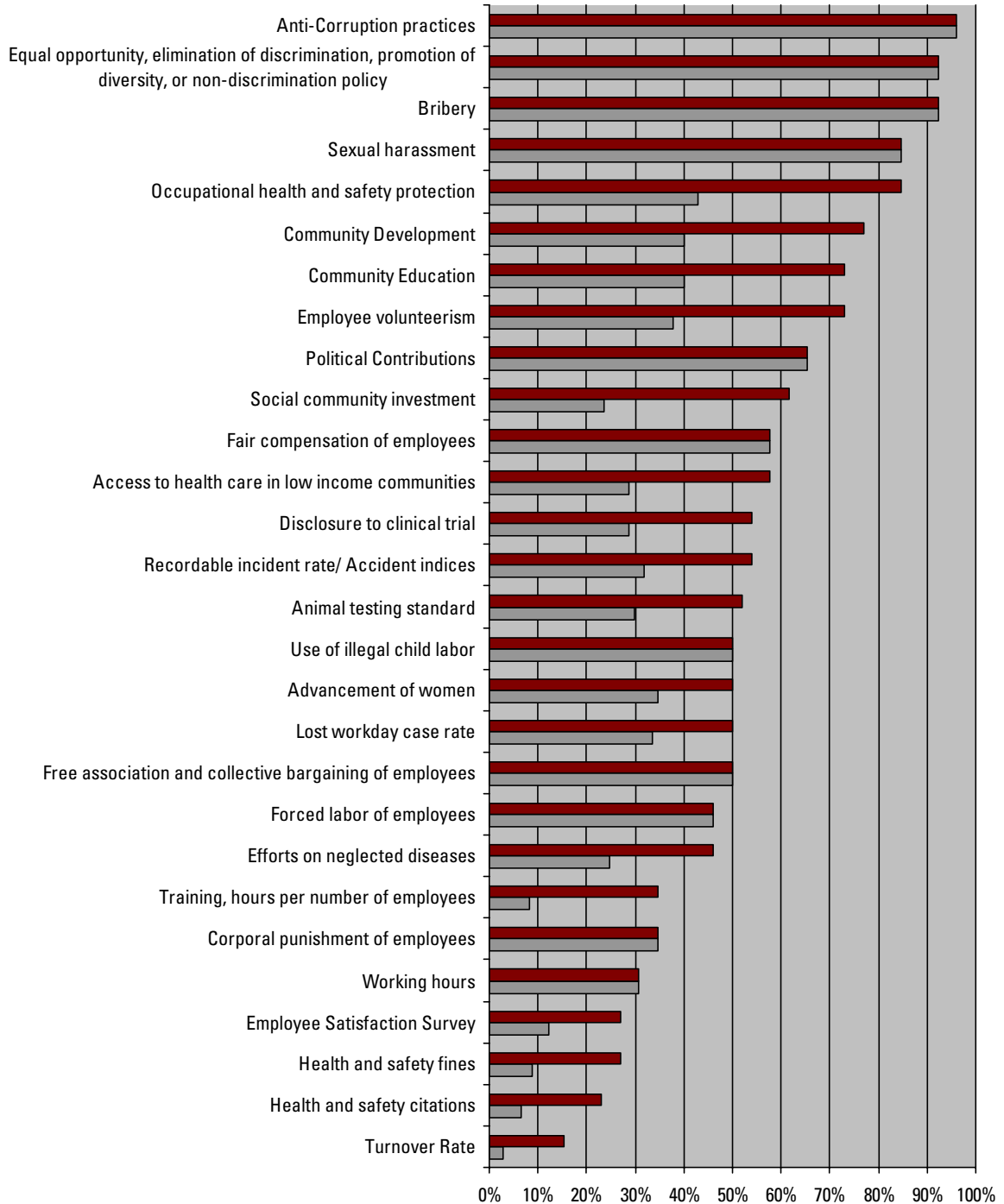


= Percentage of companies addressing the topics.  
 = Percentage of the total possible number of points awarded to all companies combined for each topic.



# PHARMACEUTICALS

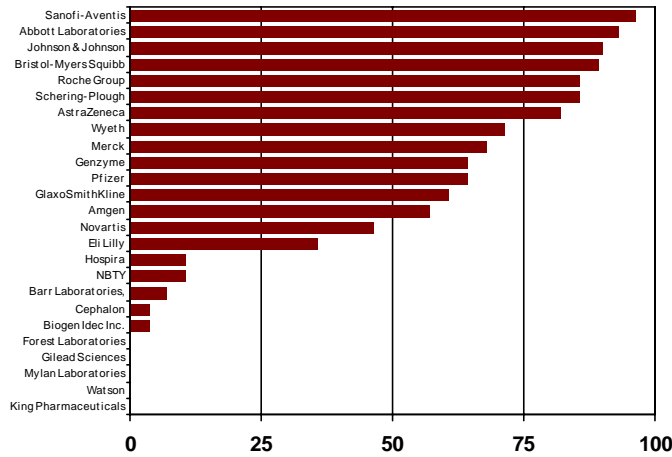
## SOCIAL REPORTING ELEMENT OF THE PSI SCORES



= Percentage of companies addressing the topics.  
 = Percentage of the total possible number of points awarded to all companies combined for each topic.



## ENVIRONMENTAL INTENT SCORES



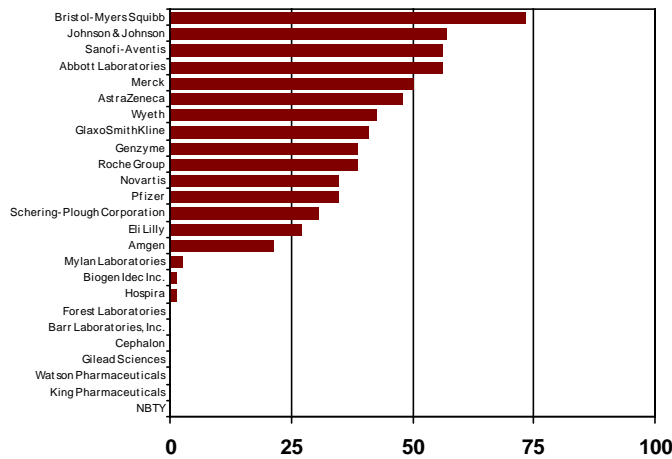
## TEN HIGHEST RANKED SCORES

### ENVIRONMENTAL INTENT

- A+ Sanofi-Aventis
- A+ Abbott Laboratories
- A Johnson & Johnson
- A Bristol-Myers Squibb
- A Schering-Plough Corporation
- A Roche Group
- A- AstraZeneca
- B+ Wyeth
- B Merck
- B Pfizer

Environmental intent scores include topics about the firm's products, environmental organization, vision and commitment, stakeholders, environmental policy and certifications, environmental aspects and impacts, choice of environmental performance indicators and those used by the industry, environmental initiatives and mitigations, and environmental goals and targets.

## ENVIRONMENTAL REPORTING SCORES

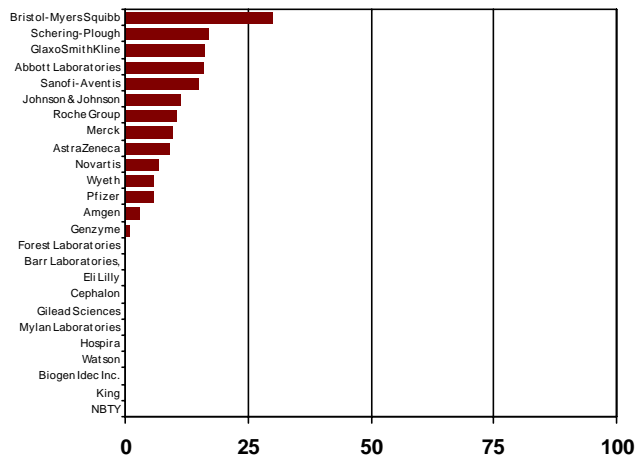


### ENVIRONMENTAL REPORTING

- A+ Bristol-Myers Squibb
- B+ Johnson & Johnson
- B+ Sanofi-Aventis
- B+ Abbott Laboratories
- B Merck
- B AstraZeneca
- B- Wyeth
- B- GlaxoSmithKline
- C+ Genzyme
- C+ Roche Group

Environmental reporting scores are based on the degree to which the company discusses its emissions, energy sources and consumption, environmental incidents and violations, materials use, mitigations and remediation, waste produced, and water used. They also include use of life cycle analysis, environmental performance and stewardship of products, and environmental performance of suppliers and contractors.

## ENVIRONMENTAL PERFORMANCE SCORES



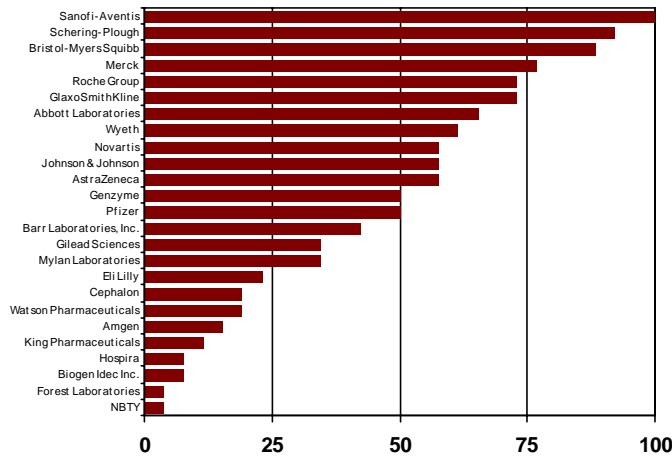
### ENVIRONMENTAL PERFORMANCE

- A+ Bristol-Myers Squibb
- B- Schering-Plough Corporation
- B- GlaxoSmithKline
- C+ Abbott Laboratories
- C+ Sanofi-Aventis
- C Johnson & Johnson
- C- Roche Group
- C- Merck
- C- AstraZeneca
- D+ Novartis

Environmental performance scores are based on whether or not the firm has improved its performance on each of the topics discussed under the heading of environmental reporting, and on whether the quality of the performance is better than that of the firm's peers. Scoring for each topic is one point if performance is better than in previous reports, two points if better than industry peers, three points if both.



### SOCIAL INTENT SCORES



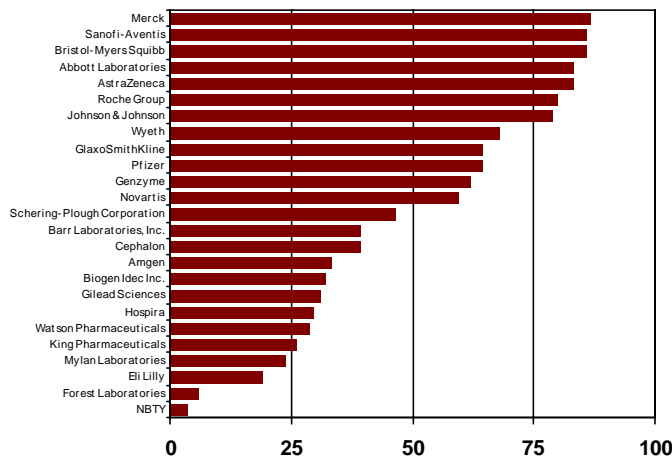
### TEN HIGHEST RANKED SCORES

#### SOCIAL INTENT

- A+ Sanofi-Aventis
- A Schering-Plough Corporation
- A Bristol-Myers Squibb
- B+ Merck
- B+ Roche Group
- B+ GlaxoSmithKline
- B Abbott Laboratories
- B- Wyeth
- B- AstraZeneca
- B- Novartis

Social intent scores include topics about the firm’s financials, employees, safety reporting, social management organization, social vision and commitment, stakeholders, social policy and certifications, social aspects and impacts, choice of social performance indicators and those used by the industry, social initiatives and mitigations, and social goals and targets.

### SOCIAL REPORTING SCORES

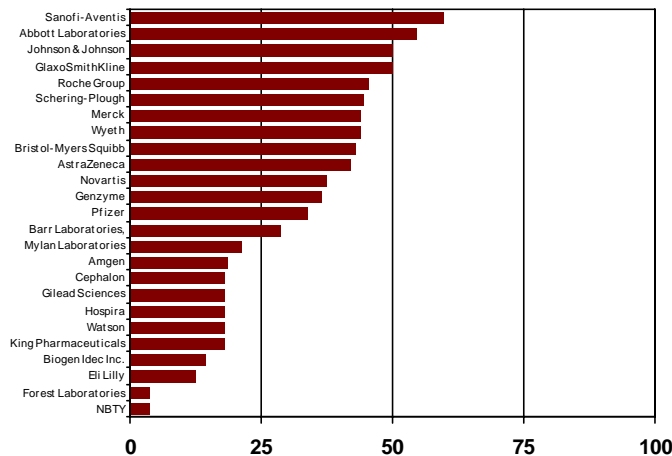


#### SOCIAL REPORTING

- A+ Merck
- A+ Bristol-Myers Squibb
- A+ Sanofi-Aventis
- A+ AstraZeneca
- A+ Abbott Laboratories
- A Roche Group
- A Johnson & Johnson
- B+ Wyeth
- B+ GlaxoSmithKline
- B+ Pfizer

Social reporting scores are based on the degree to which the company discusses various aspects of its dealings with its employees and contractors. They also include social costs and investments.

### SOCIAL PERFORMANCE SCORES



#### SOCIAL PERFORMANCE

- A+ Sanofi-Aventis
- A Abbott Laboratories
- A- Johnson & Johnson
- A- GlaxoSmithKline
- B+ Roche Group
- B+ Schering-Plough Corporation
- B+ Wyeth
- B+ Merck
- B+ Bristol-Myers Squibb
- B AstraZeneca

Social performance scores are based on improvement, performance better than the sector average, or statements of compliance with established social standards.

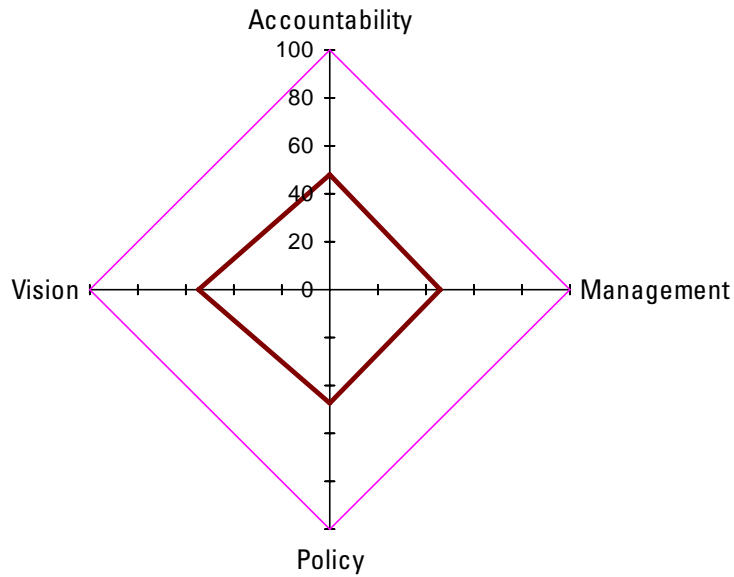


# PHARMACEUTICALS

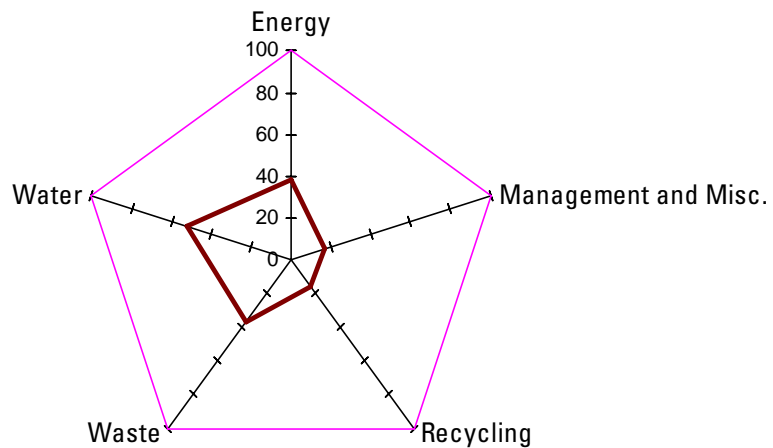
## SUMMARY OF THE DEPTH OF ENVIRONMENTAL TOPIC DISCUSSIONS

The thicker lines are the percentages of total average scores for all companies combined. The thinner lines are the total possible scores (100%).

### ENVIRONMENTAL INTENT



### ENVIRONMENTAL REPORTING AND PERFORMANCE



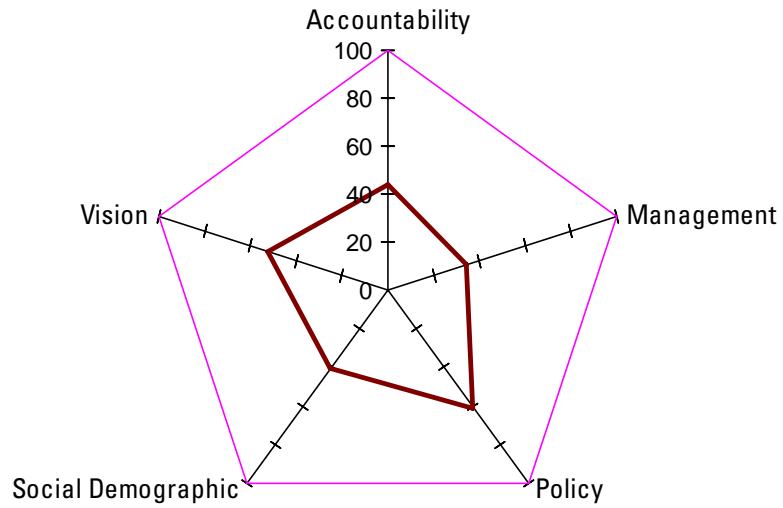


# PHARMACEUTICALS

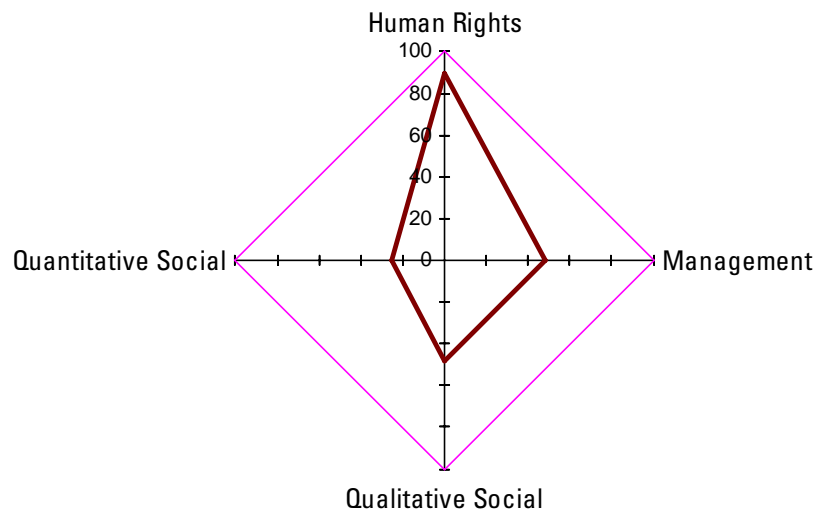
## SUMMARY OF THE DEPTH OF SOCIAL TOPIC DISCUSSIONS

The thicker lines are the percentages of total average scores for all companies combined. The thinner lines are the total possible scores (100%).

### SOCIAL INTENT



### SOCIAL REPORTING AND PERFORMANCE

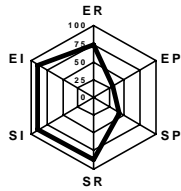




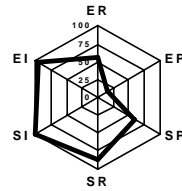
### VISUAL CLUSTER ANALYSIS

Visual cluster analysis multivariate data of the sort produced by the PSI are difficult to summarize. Here we have created radar diagrams of the performance of each company analysed in the sector by its environmental and social intent, reporting, and performance sorted by company ranking. Maximum scores will match the outer sides of the hexagon which total up to 100 percent.

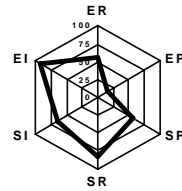
EI = Environmental Intent, ER = Environmental Reporting, EP = Environmental Performance  
 SI = Social Intent, SR = Social Reporting, SP = Social Performance



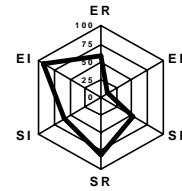
**Bristol-Myers Squibb**



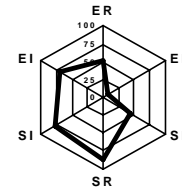
**Sanofi-Aventis**



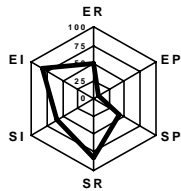
**Abbott Laboratories**



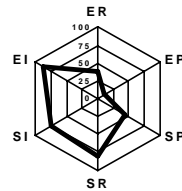
**Johnson & Johnson**



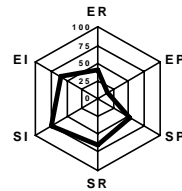
**Merck**



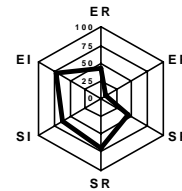
**AstraZeneca**



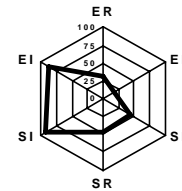
**Roche Group**



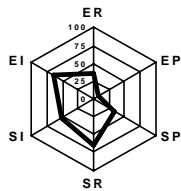
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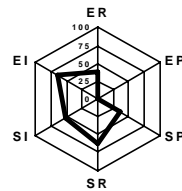
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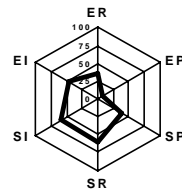
**Schering-Plough Corporation**



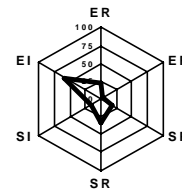
**Pfizer**



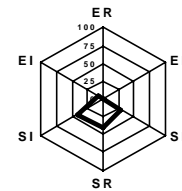
**Genzyme**



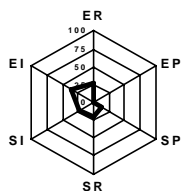
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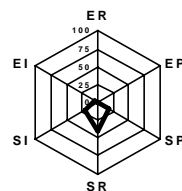
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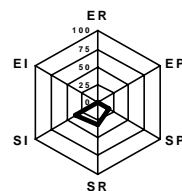
**Barr Laboratories, Inc.**



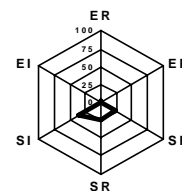
**Eli Lilly**



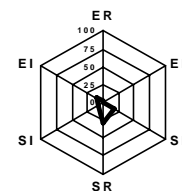
**Cephalon**



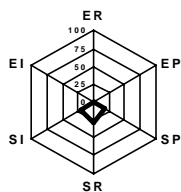
**Gilead Sciences**



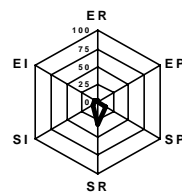
**Mylan Laboratories**



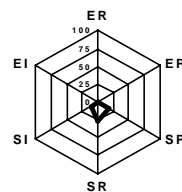
**Hospira**



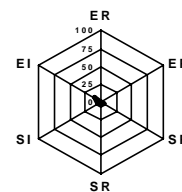
**Watson Pharmaceuticals**



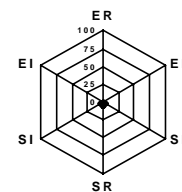
**Biogen Idec Inc.**



**King Pharmaceuticals**



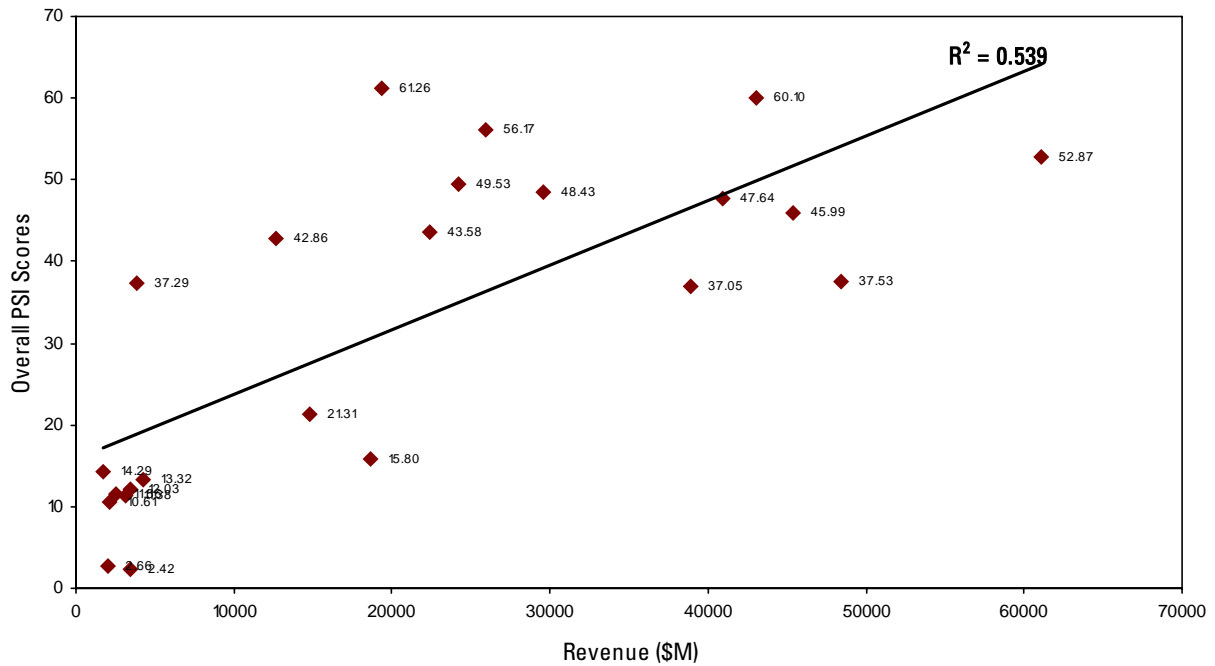
**NBTY**



**Forest Laboratories**

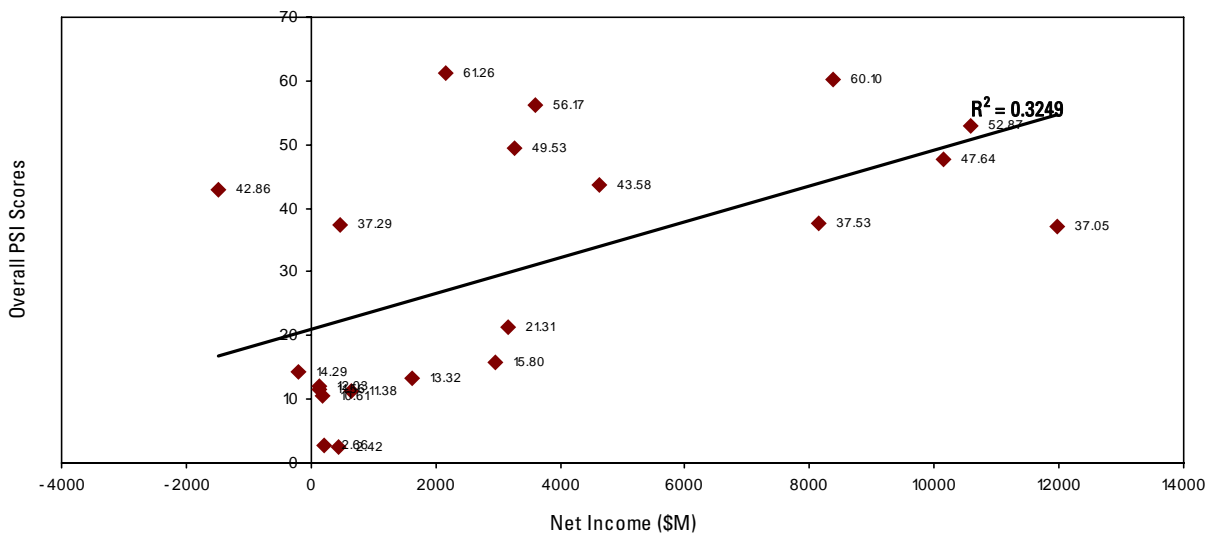
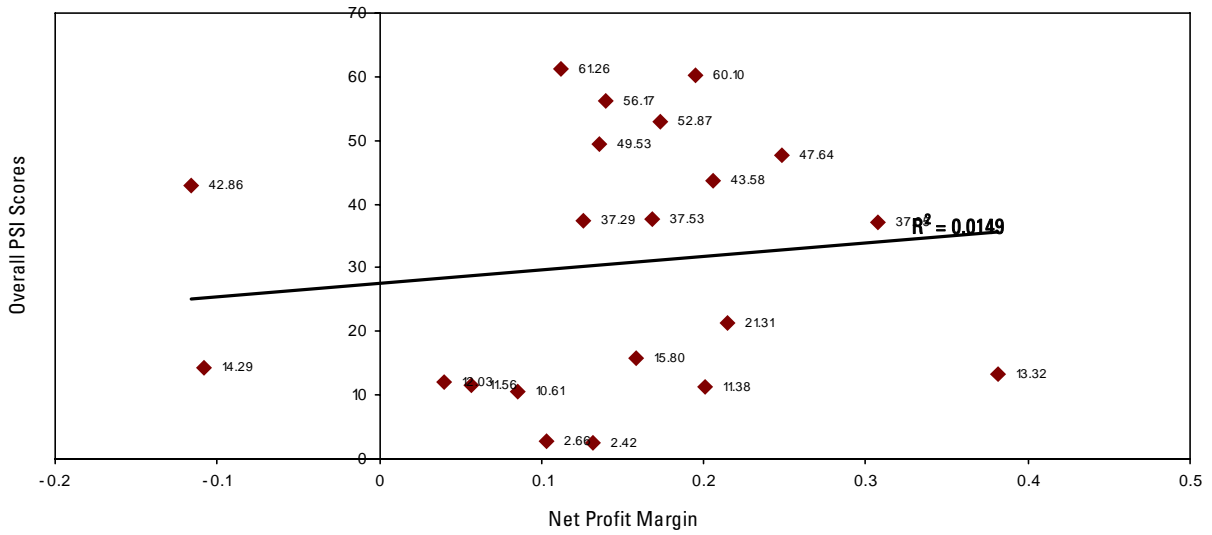
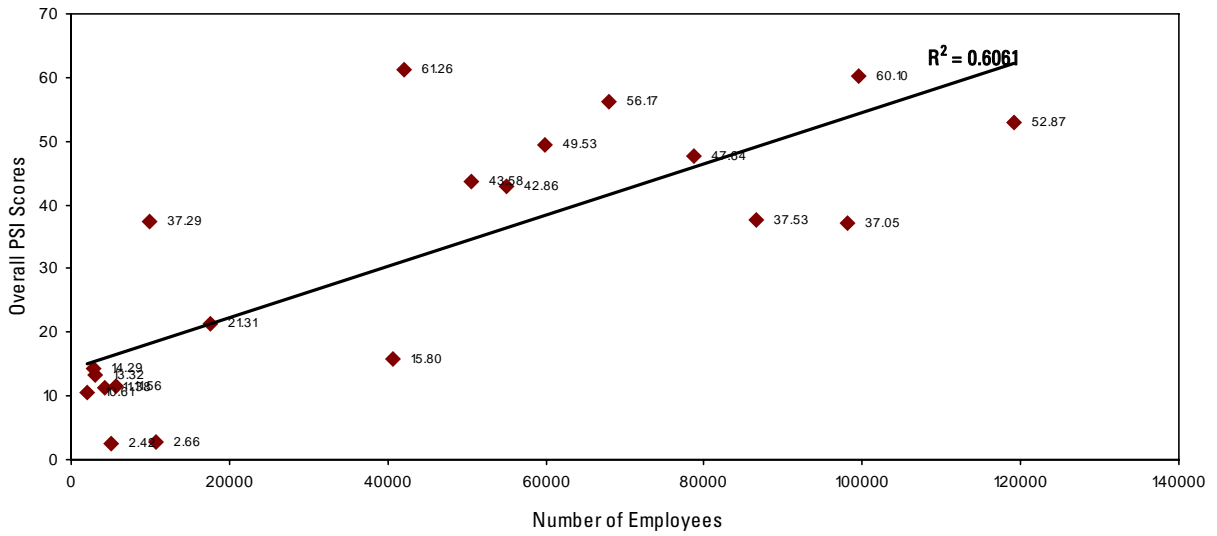


RELATIONSHIPS BETWEEN OVERALL PSI SCORE AND COMPANIES' ECONOMIC INDICATORS



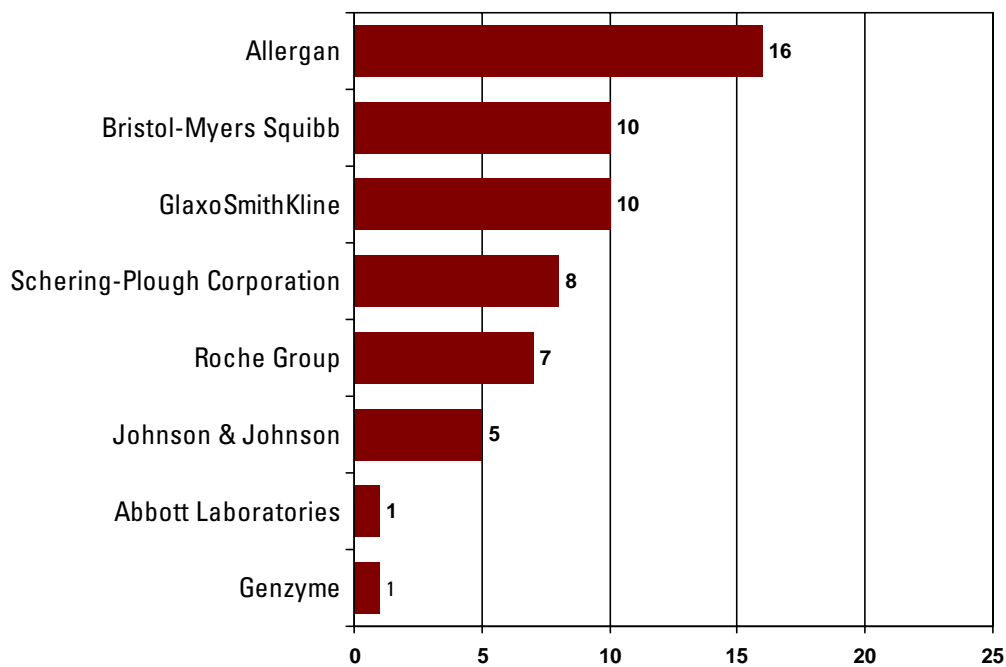
COMPANY NAME	OVERALL SCORE	REVENUE (\$MILLION)	NET INCOME (\$MILLION)	NET PROFIT MARGIN*	NUMBER OF EMPLOYEES	END FISCAL YEAR
Bristol-Myers Squibb	61.26	\$19,348.00	\$2,165.00	0.11	42000	Dec 2007
Sanofi-Aventis	60.10	\$43,019.00	\$8,369.00	0.19	99495	Dec 2007
Abbott Laboratories	56.17	\$25,914.20	\$3,606.30	0.14	68000	Dec 2007
Johnson & Johnson	52.87	\$61,095.00	\$10,576.00	0.17	119200	Dec 2007
Merck	49.53	\$24,197.70	\$3,275.40	0.14	59800	Dec 2007
AstraZeneca	48.43	\$29,544.10				Dec 2007
Roche Group	47.64	\$40,947.70	\$10,151.50	0.25	78604	Dec 2007
GlaxoSmithKline	45.99	\$45,345.70				Dec 2007
Wyeth	43.58	\$22,399.80	\$4,616.00	0.21	50527	Dec 2007
Schering-Plough Corporation	42.86	\$12,690.00	(\$1,473.00)	-0.12	55000	Dec 2007
Pfizer	37.53	\$48,418.00	\$8,144.00	0.17	86600	Dec 2007
Genzyme	37.29	\$3,813.51	\$480.19	0.13	10000	Dec 2007
Novartis	37.05	\$38,947.00	\$11,968.00	0.31	98200	Dec 2007
Amgen	21.31	\$14,771.00	\$3,166.00	0.21	17500	Dec 2007
Eli Lilly	15.80	\$18,633.50	\$2,953.00	0.16	40600	Dec 2007
Cephalon	14.29	\$1,772.60	(\$191.70)	-0.11	2796	Dec 2007
Gilead Sciences	13.32	\$4,230.00	\$1,615.30	0.38	2979	Dec 2007
Hospira	12.03	\$3,436.20	\$136.80	0.04		Dec 2007
Watson Pharmaceuticals	11.56	\$2,496.60	\$141.00	0.06	5640	Dec 2007
Biogen Idec Inc.	11.38	\$3,171.60	\$638.20	0.20	4300	Dec 2007
King Pharmaceuticals	10.61	\$2,136.90	\$183.00	0.09	2052	Dec 2007
NBTY	2.66	\$2,014.50	\$207.90	0.10	10800	Sep 2007
Forest Laboratories	2.42	\$3,441.80	\$454.10	0.13	5126	Mar 2007

Source: Latest available data for all companies of the same year from Hoovers.com (\*calculated)  
 Data with no month on the End Fiscal Year column were extracted and converted to US Dollar from the companies' annual reports





**NUMBER OF EXPLICIT NUMERICAL GOALS REPORTED**

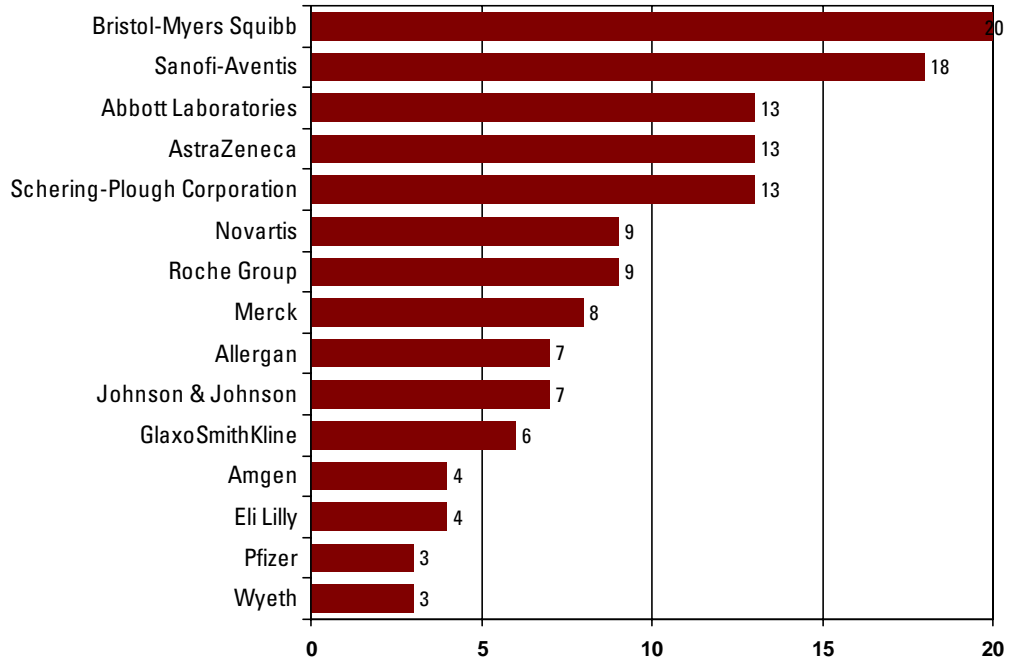


**EXPLICIT GOALS MOST FREQUENTLY REPORTED**

1	Energy used/consumption	7
2	Recordable incident rate/ Accident indices	6
3	Water used	6
4	Waste disposed of	5
5	Lost workday case rate	5
6	Hazardous waste produced	4
7	Volatile organic carbon (VOC)	3



**NUMBER OF TOPICS SHOWING PERFORMANCE IMPROVEMENT OVER PREVIOUS YEAR DATA**



**TOPICS MOST FREQUENTLY REPORTED AS HAVING IMPROVEMENTS OVER PREVIOUS YEAR DATA**

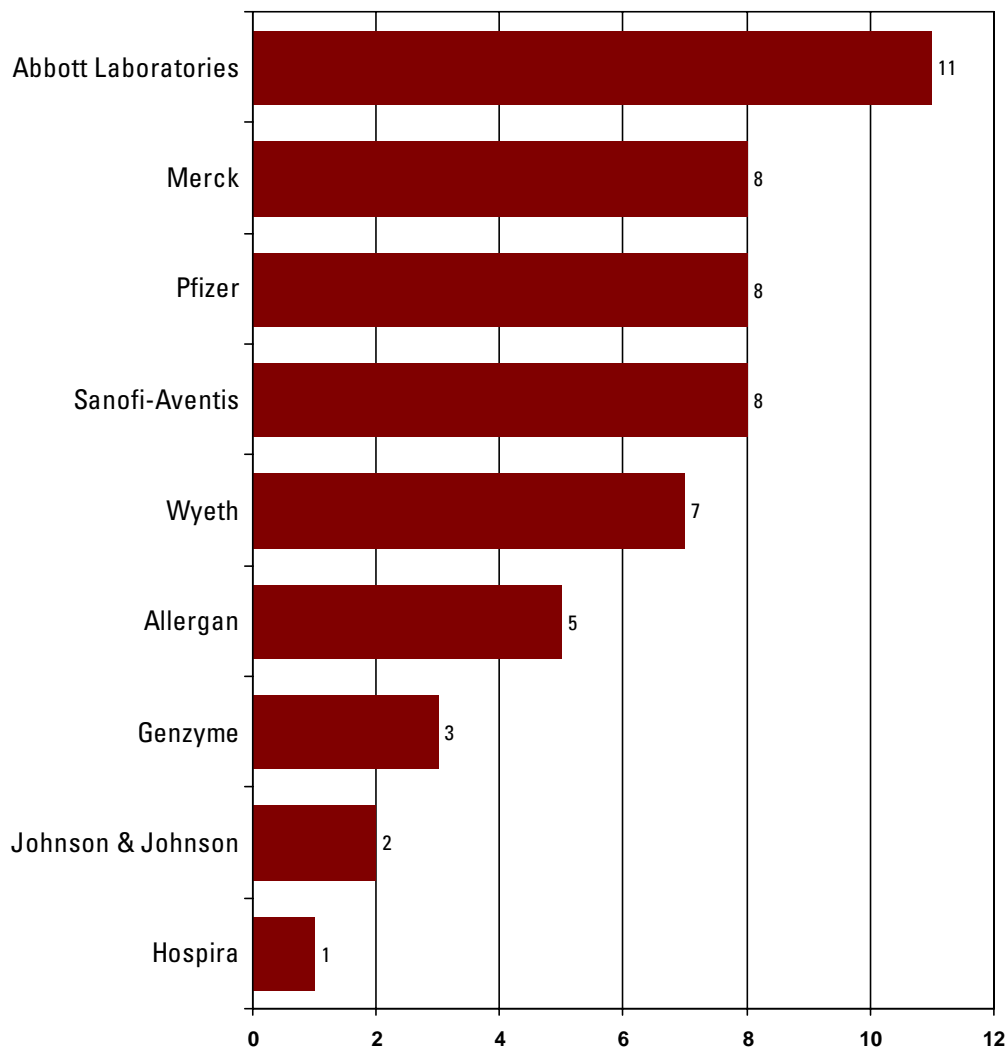
1	Water used	13
2	Hazardous waste produced	10
3	Lost workday case rate	10
4	Energy used/consumption	10
5	Waste disposed of	9
6	Recordable incident rate/ Accident indices	8
7	Volatile organic carbon (VOC)	8
8	Carbon dioxide (CO <sub>2</sub> ) or equivalents (i.e. GHG)	6
9	Chemical Oxygen Demand (COD)	5
10	Nitrogen oxides (NO <sub>x</sub> )	5
11	Animal testing standard	4
12	Social community investment	4
13	Ozone depleting substances from refrigerant	4
14	Efforts on neglected diseases	3
15	Occupational health and safety protection	3
16	Environmental notices of violation	3
17	Environmental fines	2
18	Hazardous waste released	2
19	Waste recycled	2
20	Community Development	2
21	Disclosure to clinical trial	2
22	Advancement of women	2



23	Sulfur oxides (SO <sub>x</sub> )	2
24	Suspended solids, total (TSS)	2
25	Health and safety fines	2
26	Access to health care in low income communities	2
27	Materials usage	1
28	Renewable energy consumption	1
29	Workforce profile: Ethnicities/Race	1
30	Training, hours per number of employees	1
31	Health and safety citations	1
32	Environmental expenses and/or investments	1
33	Employee Satisfaction Survey	1
34	Community Education	1
35	Employee volunteerism	1
36	Waste water released	1
37	Packaging materials waste	1
38	Packaging materials used	1



**NUMBER OF TOPICS IN WHICH PERFORMANCE WAS BETTER THAN SECTOR AVERAGE\***



\*Sector averages are calculated from the materials scored for this report.



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**ABBOTT LABORATORIES**

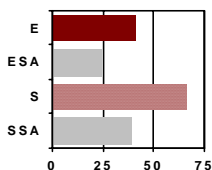


**ABBOTT LABORATORIES 2008 GLOBAL CR AND 2009 WEB PAGES**

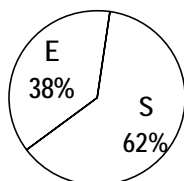
Abbott Laboratories' 2007 Sustainability Report and 2009 web pages demonstrate the company's serious commitment to reporting its environmental performance. The reporting follows the G3 reporting guidelines, with quantitative data provided both in absolute and normalized forms, making clear the significant progress the company has made over the years. A great deal of money and resources are contributed to many social projects. The company has a clear view of what sustainability means for the company and how it should be pursued. Abbott laboratories reporting lacks a few types of data we expect, such as notice of violations and citations, however the overall sustainability reporting is excellent.

~ Adidjaja

Comparison with sector averages



Source of points



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	100	Excellent
Policy	83	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	33	Needs improvement
Emissions to water	10	Needs substantial improvement
Energy	50	Good
Management and Misc.	14	Needs substantial improvement
Materials usage	21	Needs substantial improvement
Recycling	21	Needs substantial improvement
Waste	51	Good
Water	86	Excellent

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	75	Excellent
Management	50	Good
Policy	67	Good
Social Demographic	50	Good
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	86	Excellent
Human Rights	91	Excellent
Management	43	Needs improvement
Qualitative Social	63	Good
Quantitative Social	35	Needs improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**AMGEN**

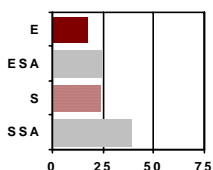


**AMGEN 2009 WEB PAGES**

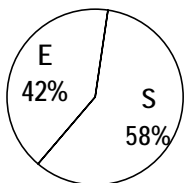
Amgen emphasizes an active concern for its environmental impact and its role as a social entity, but provides very little context for its environmental data. Amgen's pages emphasize a very deliberate effort to keep its environmental impact relatively constant, at least in terms of scale, but there is little indication of overall efforts to substantially decrease waste production, or water and energy use. Overall, the pages indicate that Amgen is content with its position, and committed to promoting ongoing ethical business management.

~ Hudgens

**Comparison with sector averages**



**Source of points**



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	50	Good
Policy	33	Needs improvement
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	4	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	21	Needs substantial improvement
Management and Misc.	19	Needs substantial improvement
Materials usage	7	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	14	Needs substantial improvement
Water	57	Good

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	17	Needs substantial improvement
Social Demographic	100	Excellent
Vision	25	Needs improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	43	Needs improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement
Qualitative Social	18	Needs substantial improvement
Quantitative Social	2	Needs substantial improvement

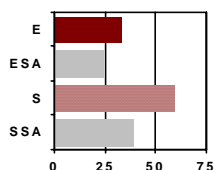


E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

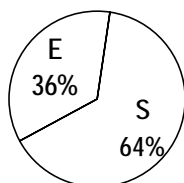
**ASTRAZENECA**

**B+**

Comparison with sector averages



Source of points



**ASTRAZENECA 2008 WEB PAGES**

AstraZeneca has shown serious commitment to reducing its environmental impacts by stressing corporate responsibility and by providing methods and initiatives to carry out that commitment. CEO David Brennan emphasizes this by saying, "Responsibility is embedded in AstraZeneca's business strategy because we consider it to be critical to our continued success." The company's website thoroughly covers such topics as climate change, sustainable production, waste management, and social and environmental performance. As AstraZeneca strives to provide the most innovative and effective medicines for patients around the world, it wants to be a "trusted member of society" that can "add value" to both society and shareholders. In areas such as energy consumption, waste disposal, water use, and CO2 emissions, it has reported a decrease from 2007 to 2008, just one example of how AstraZeneca seeks continuous improvement and is taking steps in the right direction. Although it comprehensively covers many key issues, the report lacks sufficient information concerning energy production from renewable resources, data for office recycling, packaging materials used, and harmful gas emissions, specifically CO, particulate matter, NOx, and SOx. Management and corporate culture are emphasized through its global policy that provides initiatives and underlines the significance of Safety, Health, and the Environment, or its SHE policy. The website also provides annual reports that include detailed and integrated corporate responsibility (CR) reporting. AstraZeneca shows its commitment to CR by making efforts to improve communities in numerous countries around the world. In 2008, AstraZeneca spent \$718 million worldwide on charitable donations and community sponsorships, and it tried to improve the quality of education in some of those communities, especially in China and France. In terms of social reporting, its "Our Employees" and "Human Rights" sections on the website provide specific information about diversity, working hours, corporate culture, sexual harassment, and workers' right to form and join trade unions, among other things. AstraZeneca has evidently organized an extensive website that discusses important environmental and social issues. To mitigate the effects of many of these issues, it provides initiatives and statements about its "vision" and need for "accountability" in the coming years, especially in areas pertaining to corporate culture, management, and environmental performance. Nonetheless, these initiatives are often broad and it would be beneficial for the company to be even more specific in how it plans to reach these goals in the future.

~ Fisher

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	75	Excellent
Policy	92	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	24	Needs substantial improvement
Emissions to water	24	Needs substantial improvement
Energy	43	Needs improvement
Management and Misc.	10	Needs substantial improvement
Materials usage	7	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score
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Recycling	14	Needs substantial improvement
Waste	34	Needs improvement
Water	71	Good

### **SOCIAL INTENT**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	75	Excellent
Management	30	Needs improvement
Policy	83	Excellent
Social Demographic	0	Needs substantial improvement
Vision	100	Excellent

### **SOCIAL REPORTING**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	57	Good
Human Rights	91	Excellent
Management	29	Needs improvement
Qualitative Social	48	Needs improvement
Quantitative Social	29	Needs improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**BARR LABORATORIES, INC.**

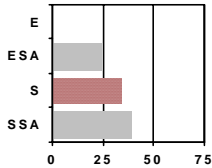


**BARR PHARMACEUTICALS 2009 WEB PAGES**

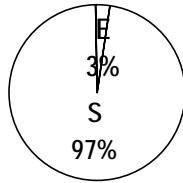
Barr Laboratories performs weakly in its online sustainability reporting, having included essentially no information on environmental policy or management on its website. It does have several notes about code of conduct and social intent for its employees and customers. Plans for employee training, equal opportunity, and other social issues are addressed, but it does not appear that much time or money is dedicated to community development or volunteering. Barr should greatly improve its public presentation of plans to improve environmental and social performance.

~ D'Arcy

Comparison with sector averages



Source of points



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	25	Needs improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	50	Good
Policy	50	Good
Social Demographic	50	Good
Vision	0	Needs substantial improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	73	Good
Management	0	Needs substantial improvement
Qualitative Social	14	Needs substantial improvement
Quantitative Social	2	Needs substantial improvement

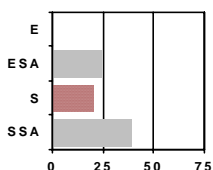


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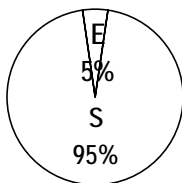
**BIOGEN IDEC INC.**



**Comparison with sector averages**



**Source of points**



**BIOGEN IDEC 2009 WEB PAGES**

Without a formal sustainability report, Biogen Idec struggled to convey appropriate information concerning its social and environmental sustainability. Biogen Idec did, however, include significant information about its community involvement program. The Biogen Idec Foundation, the division of which facilitates community investment, has projects ranging from grants for healthcare organizations to operating community science labs. The company website supplied extensive information about mentoring programs and hands-on laboratory experience opportunities offered through the foundation. Despite providing relevant information about its community investment projects, Biogen Idec provided very little quantitative data and discussion about ecosystem conservation, hazardous waste production and control, and workforce distribution with regard to age, race, and gender. Only after an interview with Hector Rodriquez, the director of Global EHS & Sustainability for Biogen Idec, did the commitment to not only sustainability, but also information transparency become clear. Biogen Idec is in the process of formalizing its sustainability strategy to address environmental, social, and governance risk management. In a step towards greater transparency in 2008 and 2009, Biogen Idec responded to the Carbon Disclosure Project questionnaires with data regarding its energy use and CO2 emissions for its domestic operations. Biogen Idec's relatively good performance in the Carbon Disclosure Project scoring system, with a score of 78, indicates that it does internally track data regarding its environmental sustainability progress. In the phone interview, Biogen Idec's dedication to providing subsidized or free medication to patients in need was also mentioned, as was the company's long-term plan to extend its sustainability initiative outside of the US. Biogen Idec's concern over talent acquisition and retention was also cited, in particular as regards the growing interest on the part of younger employees to work for "green" companies. None of this verbally-transmitted information, however, changed the company's PSI score since we require it to be online. I would highly recommend that Biogen Idec to start reporting its internal sustainability activities as a way to communicate the company's progress in environmental and social sustainability. Potential employees, shareholders, and other decision makers would benefit from the compilation of easily accessible information a formal sustainability report provides.

~ Shoemaker

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score
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Waste	3	Needs substantial improvement
Water	0	Needs substantial improvement

### **SOCIAL INTENT**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	25	Needs improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Social Demographic	0	Needs substantial improvement
Vision	25	Needs improvement

### **SOCIAL REPORTING**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	0	Needs substantial improvement
Human Rights	36	Needs improvement
Management	29	Needs improvement
Qualitative Social	20	Needs substantial improvement
Quantitative Social	4	Needs substantial improvement



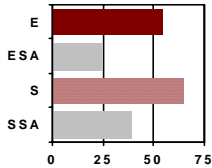
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**BRISTOL-MYERS SQUIBB**

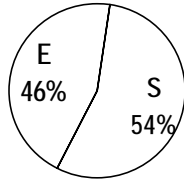


**BRISTOL-MYERS SQUIBB 2009 RESPONSIBILITY WEB PAGES**

Comparison with sector averages



Source of points



Bristol-Myers Squibb offers a comprehensive set of environmental and social data on its 2009 web pages. The 211 pages of data and discussion address almost every single topic on the PSI scoring index. The report as a whole is made up of a set of detailed web pages on the topic of sustainability, a Code of Business Conduct, and a Sustainability Highlights brochure. Many of the topics addressed, such as employee training, and environmental management systems, are broken down into easy to read sub-categories, which work to further highlight the company's excellent reporting performance. The company seems to have an efficient dialogue system in place to deal with stakeholder concerns, and puts a significant amount of energy into addressing problems in the communities in which it works. The transparency and depth of Bristol-Myers Squibb's reporting is top notch, and should be an example for others in the sector.

~ Alston

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	75	Excellent
Policy	92	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	39	Needs improvement
Emissions to water	43	Needs improvement
Energy	57	Good
Management and Misc.	52	Good
Materials usage	14	Needs substantial improvement
Recycling	43	Needs improvement
Waste	69	Good
Water	86	Excellent

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	80	Excellent
Policy	83	Excellent
Social Demographic	100	Excellent
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	43	Needs improvement
Human Rights	91	Excellent
Management	86	Excellent



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Qualitative Social	36	Needs improvement
Quantitative Social	43	Needs improvement



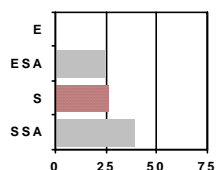
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**CEPHALON**

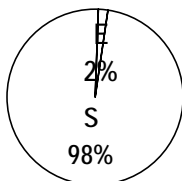
**D+**

**CEPHALON 2009 WEB PAGES**

Comparison with sector averages



Source of points



Cephalon has very little substantial information on health or social issues. To counter this deficiency, the company does briefly describe several community initiatives and clinical trial standards, and does touch on some human rights policies. However, there is only one small mention of environmental protection, and no initiatives or data behind it. Cephalon would do well to greatly increase its environmental and social information disclosure to show a commitment to sustainability.

~ de Wolski

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	25	Needs improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	0	Needs substantial improvement
Policy	17	Needs substantial improvement
Social Demographic	50	Good
Vision	50	Good

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	29	Needs improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement
Qualitative Social	29	Needs improvement
Quantitative Social	0	Needs substantial improvement



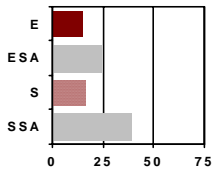
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**ELI LILLY**

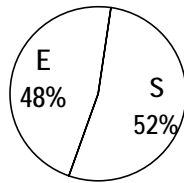
**D+**

**ELI LILLY CORPORATE SUSTAINABILITY REPORT, CODE OF CONDUCT, AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



Eli Lilly can be commended for some of its efforts towards sustainability and green practices, but needs to greatly increase both qualitative and quantitative reporting if it is to achieve a higher score in an already competitive sector. To its credit, the company has implemented a multipart strategy designed to develop energy policies, establish engineering standards for energy-efficiency, hire grassroots site energy teams to identify energy reduction opportunities, etc. Some quantitative data about key issues such as energy consumption, lost workday case rate, social community investment and various emissions are covered in the report, but this reporting needs to be expanded to achieve true transparency. Additionally, human rights policies and a clearer environmental policy should be delineated if Eli Lilly's reporting is going to be competitive in the pharmaceutical sector.

~ Diaz

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	38	Needs improvement
Policy	50	Good
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	31	Needs improvement
Emissions to water	10	Needs substantial improvement
Energy	19	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	20	Needs substantial improvement
Policy	50	Good
Social Demographic	50	Good
Vision	0	Needs substantial improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	27	Needs improvement
Management	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Qualitative Social	4	Needs substantial improvement
Quantitative Social	14	Needs substantial improvement



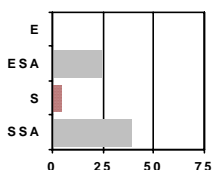
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**FOREST LABORATORIES**

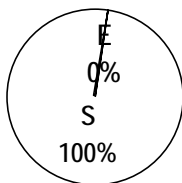


**FOREST LABORATORIES 2009 WEB PAGES**

Comparison with sector averages



Source of points



The Forest Laboratories website contains no reference to the environment or its community. Other than a brief code of business ethics and conduct, Forest Laboratories does not express any commitment to improving the quality of its environment, community, or workplace. Forest Laboratories can also easily improve its score by reporting its energy and water consumption, emissions, and workforce profile, data it surely has in hand, and should publish considerably more information as well.

~ Jimoh

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	17	Needs substantial improvement
Social Demographic	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**SOCIAL REPORTING**

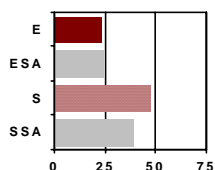
Question Category	Score	General Comment
Accountability	29	Needs improvement
Human Rights	9	Needs substantial improvement
Management	0	Needs substantial improvement
Qualitative Social	0	Needs substantial improvement
Quantitative Social	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

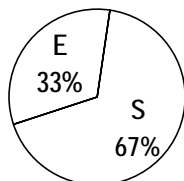
## GENZYME

### Comparison with sector averages



# B+

### Source of points



## GENZYME PHARMACEUTICALS 2009 WEB PAGES

While much of Genzyme's information is not consolidated in one central place, Genzyme does do a good job of covering environmental, social, and economic sustainability issues and includes initiatives in its environmental visionary and policy statements. In its web pages, Genzyme does a great job of mentioning procedures and methods to promote environmental sustainability, but it could include more specific details regarding renewable energy consumption and waste disposal. Genzyme does an excellent job educating employees about environmental responsibility and has many compliance initiatives that go beyond regulatory compliance, including recycling, environmental stewardship, and paper reduction. Genzyme has also gained recognition as one of the best workplaces for commuters. While Genzyme has had some trouble with environmental notices of violation, it explains each event and has taken steps to fix each problem. Genzyme has also implemented efforts to promote socially-sustainable practices in its corporate governance, including fair compensation of employees and anti-corruption practices.

~ King

### ENVIRONMENTAL INTENT

Question Category	Score	General Comment
Accountability	75	Excellent
Management	63	Good
Policy	67	Good
Vision	50	Good

### ENVIRONMENTAL REPORTING

Question Category	Score	General Comment
Emissions to air	12	Needs substantial improvement
Emissions to water	14	Needs substantial improvement
Energy	36	Needs improvement
Management and Misc.	14	Needs substantial improvement
Materials usage	7	Needs substantial improvement
Recycling	14	Needs substantial improvement
Waste	20	Needs substantial improvement
Water	43	Needs improvement

### SOCIAL INTENT

Question Category	Score	General Comment
Accountability	50	Good
Management	40	Needs improvement
Policy	67	Good
Social Demographic	50	Good
Vision	50	Good

### SOCIAL REPORTING

Question Category	Score	General Comment
Accountability	43	Needs improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

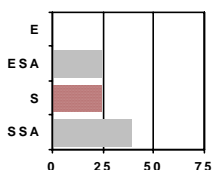
Human Rights	73	Good
Management	0	Needs substantial improvement
Qualitative Social	50	Good
Quantitative Social	12	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

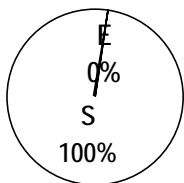
**GILEAD SCIENCES**

Comparison with sector averages



**D+**

Source of points



**GILEAD SCIENCES 2008 WEB PAGES**

Gilead Sciences has a long road ahead if it wishes to demonstrate a dedication to social and environmental responsibility. Gilead neglects to even mention the word “environment” on its website, much less discuss any dedication to promoting environmental sustainability. When addressing social responsibility it touches on employee training, makes some mentions of human rights, and speaks briefly of occupational health and safety protection and community education and development, but fails to mention innumerable other relevant issues. Gilead Sciences should dedicate a significant amount of attention to all areas of its social and environmental responsibility and reporting in order to achieve a level at least vaguely comparable to other major companies in the pharmaceutical sector.

~ Brewer

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	10	Needs substantial improvement
Policy	67	Good
Social Demographic	0	Needs substantial improvement
Vision	50	Good

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement
Qualitative Social	20	Needs substantial improvement
Quantitative Social	0	Needs substantial improvement



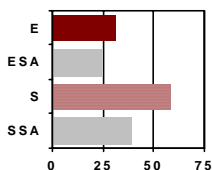
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**GLAXOSMITHKLINE**

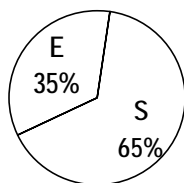


**GLAXOSMITHKLINE COPORATE RESPONSIBILITY REPORT 2007 AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



GlaxoSmithKline’s commitment to transparency and sustainability is apparent in its Corporate Responsibility Report and web pages. Glaxo clearly states its commitment to reduce its impact on the environment, lays out its environmental management programs and provides clear environmental goals with measurable progress. Glaxo can also be commended for its clear environmental reporting with figures on energy and water used and waste disposal. Although Glaxo provides comprehensive information on its emissions to the air, it should also report the amount of carbon monoxide, particulate matter, nitrogen oxides and sulfur oxides released annually. Although it is apparent that Glaxo has invested a great deal of money in improving its impact on the environment, the company should state the amount it spends yearly on making environmental improvements in its Corporate Responsibility Report. In addition to its clear commitment to environmental sustainability, Glaxo demonstrates a notable commitment to the well-being of its workers and to low income communities that may not be able to afford drugs at market prices. Glaxo provides information about its accident and lost workday case rate but should expand upon the information provided in the 2007 Corporate Responsibility Report and include information on health and safety citations and fines in future reports.

~ Ryan

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	63	Good
Policy	58	Good
Vision	75	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	18	Needs substantial improvement
Emissions to water	19	Needs substantial improvement
Energy	33	Needs improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	7	Needs substantial improvement
Recycling	36	Needs improvement
Waste	49	Needs improvement
Water	86	Excellent

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	40	Needs improvement
Policy	100	Excellent
Social Demographic	100	Excellent
Vision	75	Excellent



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

### **SOCIAL REPORTING**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	0	Needs substantial improvement
Human Rights	73	Good
Management	86	Excellent
Qualitative Social	64	Good
Quantitative Social	24	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**HOSPIRA**

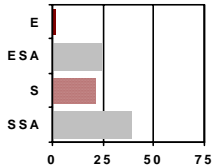


**HOSPIRA 2007 ANNUAL REPORT AND CODE OF BUSINESS CONDUCT**

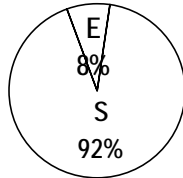
The environmental and social sustainability information provided by Hospira is extremely vague. For example, the only stated environmental efforts were "increasing recycling", transitioning its US field sales fleet to hybrid vehicles, and creating the VisIV. Additionally, though its efforts to communicate with shareholders were well outlined, no reporting on communications with stakeholders was mentioned.

~ Scott

Comparison with sector averages



Source of points



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	13	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	25	Needs improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	3	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	33	Needs improvement
Social Demographic	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement
Qualitative Social	13	Needs substantial improvement
Quantitative Social	6	Needs substantial improvement



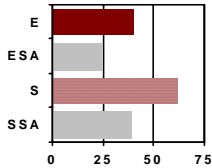
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**JOHNSON & JOHNSON**

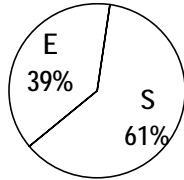


**JOHNSON & JOHNSON 2008 SUSTAINABILITY REPORT AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



Johnson & Johnson demonstrates environmental and social sustainability through a wide array of actions. As a company in the business of making pharmaceuticals, medical equipment and consumer health care products, it has taken its work within the health sector one step further to further the health of its employees and of the environment. The 2008 Sustainability Report documents the company's efforts to green its consumer products, minimize the role they play in climate change, lower the carbon footprint of the product chain, give back to the communities in which its employees work, and protect local biodiversity. Johnson & Johnson's environmental and social initiatives are impressive, yet the company provides little information concerning exactly how the production of its goods affects the environment. Though it does report its CO2 output, it makes almost no mention of other emissions to the air. It also does not provide information on its materials usage. Additionally, Johnson & Johnson's social reporting is incomplete, with no specifics in social management (such as workforce profiles).

~ *Mohr-Felsen*

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	88	Excellent
Policy	86	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	22	Needs substantial improvement
Emissions to water	5	Needs substantial improvement
Energy	79	Excellent
Management and Misc.	33	Needs improvement
Materials usage	0	Needs substantial improvement
Recycling	21	Needs substantial improvement
Waste	37	Needs improvement
Water	86	Excellent

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	50	Good
Policy	83	Excellent
Social Demographic	0	Needs substantial improvement
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	29	Needs improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Human Rights	91	Excellent
Management	86	Excellent
Qualitative Social	47	Needs improvement
Quantitative Social	35	Needs improvement

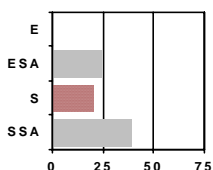


E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

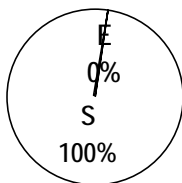
**KING PHARMACEUTICALS**



Comparison with sector averages



Source of points



**KING PHARMACEUTICALS 2009 WEB PAGES**

Tennessee-based King Pharmaceuticals currently displays only a short section on corporate responsibility on its website which contains a brief mention of a commitment to health, community, and education, but no initiatives, examples, or ideas to support its claim. The web pages, annual report, and code of conduct fail to mention a single environmental issue at any point and only a small portion of the appropriate social issues are addressed, none of which include any initiatives or depth of discussion. As a smaller company, King Pharmaceuticals may feel less pressured to report its environmental or social performance; however, the utter lack of qualitative and quantitative reporting is not excusable even for a smaller player in the sector. King Pharmaceuticals should reevaluate its responsibility to its community and implement forward-thinking policies to promote health, development, safety, and cleaner environment.

~ Jimoh

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	33	Needs improvement
Social Demographic	0	Needs substantial improvement
Vision	25	Needs improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Qualitative Social	11	Needs substantial improvement
Quantitative Social	2	Needs substantial improvement



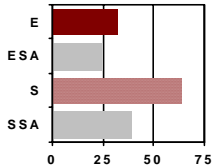
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**MERCK**

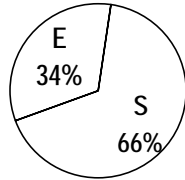


**MERCK AND Co. 2006/2007 CSR REPORT AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



Merck's recent efforts toward better ethics and responsibility reporting and performance are quite commendable. Merck has initiated goals to reduce its greenhouse gas emissions, to increase its transparency, and most importantly, to not only educate its own employees with the world of corporate responsibility, but also those with which the company has interactions. Merck engages in dialogue with its stakeholders, its suppliers, its consumers, and its local community about better business practices. By assessing its current social and environmental practices, and then identifying areas for improvement, the company is pushing and challenging itself in ways that it apparently has not before.

~ Nunnink

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	63	Good
Policy	67	Good
Vision	50	Good

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	35	Needs improvement
Emissions to water	0	Needs substantial improvement
Energy	33	Needs improvement
Management and Misc.	38	Needs improvement
Materials usage	7	Needs substantial improvement
Recycling	14	Needs substantial improvement
Waste	26	Needs improvement
Water	71	Good

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	70	Good
Policy	100	Excellent
Social Demographic	50	Good
Vision	50	Good

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	29	Needs improvement
Human Rights	100	Excellent
Management	43	Needs improvement
Qualitative Social	43	Needs improvement
Quantitative Social	33	Needs improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

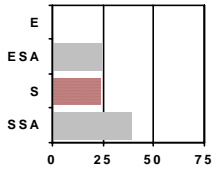
**MYLAN LABORATORIES**

**D+**

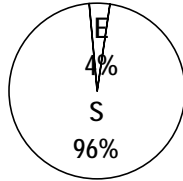
**MYLAN PHARMACEUTICALS 2009 WEB PAGES**

Mylan Pharmaceuticals had no statements about environmental management or vision. There is nothing about habitat conservation, biodiversity, climate change, green purchasing, environmental education, and not much about community outreach, volunteerism, and education. On the other hand, its social policy statement and code of ethics was highly detailed.

Comparison with sector averages



Source of points



~ D'Arcy

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	6	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	25	Needs improvement
Management	40	Needs improvement
Policy	33	Needs improvement
Social Demographic	50	Good
Vision	25	Needs improvement

**SOCIAL REPORTING**

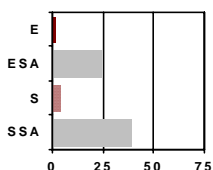
Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	55	Good
Management	0	Needs substantial improvement
Qualitative Social	4	Needs substantial improvement
Quantitative Social	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

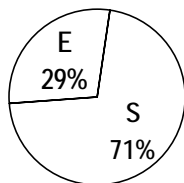
**NBTY**

Comparison with sector averages



**D-**

Source of points



**NBTY 2009 WEB PAGES**

Nutritional supplement company NBTY does not provide much information on environmental and social responsibility. No social topic is mentioned and only a brief mention of an environmental vision is given. Nonetheless, there are a few initiatives. NBTY has introduced energy efficient lighting systems and joined national initiatives that promote environmental education, tree planting, and recycling. Unfortunately, most of the information provided in the Annual Report and website lacks much substance. In total, all but five PSI scoring areas were left unmentioned by NBTY. To improve its score in our analysis, NBTY should set up social and environmental policies that promote development, health, and safety in its community, environment, and workplace. The company should also begin compiling and releasing information on its energy use and emissions.

~ Jimoh

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	13	Needs substantial improvement
Policy	8	Needs substantial improvement
Vision	25	Needs improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	17	Needs substantial improvement
Social Demographic	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	9	Needs substantial improvement
Management	0	Needs substantial improvement
Qualitative Social	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

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Quantitative Social                      0      Needs substantial improvement

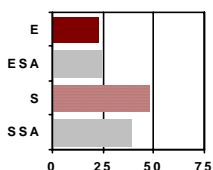


E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

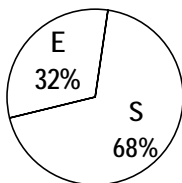
**NOVARTIS**



Comparison with sector averages



Source of points



**NOVARTIS 2008 HSE PERFORMANCE AND WEB PAGES**

Novartis' website provides a complete and detailed overview of its actions, including emissions, waste, energy use, and more. In caring for the environment, Novartis aims "to use natural resources efficiently and minimize the environmental impacts of [its] activities and products during its life cycles." Commitment to this policy is seen through its initiation of carbon-offset projects in Argentina, its jatropha planting and bio-diesel program in Mali, on-site energy generation in order to improve efficiency, and voluntarily pledging to meet the Kyoto Protocol standards regarding on-site emissions. Although the company provides proficient reporting in many areas, some key areas are left unmentioned. The website fails to address the impact that its actions, including plant operations and waste, have on habitats, ecosystems, and biodiversity. Promotion of social sustainability is a clear goal for Novartis. The website discusses its focus on providing a safe workplace committed to health and well-being while implementing its "Diversity and Inclusion" initiatives. The company puts human rights as its priority and makes sure to include community outreach as a main concern as well. Employees participate in a "Community Partnership Day" every April to support local communities, organizations, and projects and further social responsibility concerns. By contributing to schools, awarding research prizes and staging cultural events, Novartis aims to reach all in providing for a better, more sustainable future. To improve upon its social stewardship, information regarding employment of the disabled, the advancement of women, and social community investment is necessary.

~ Swartley

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	38	Needs improvement
Policy	33	Needs improvement
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	24	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	36	Needs improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	29	Needs improvement
Waste	23	Needs substantial improvement
Water	57	Good

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	70	Good
Policy	100	Excellent
Social Demographic	0	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Vision 50 Good

### **SOCIAL REPORTING**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	0	Needs substantial improvement
Human Rights	91	Excellent
Management	0	Needs substantial improvement
Qualitative Social	25	Needs improvement
Quantitative Social	16	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**PFIZER**

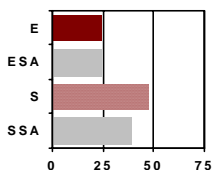


**PFIZER 2007 CORPORATE RESPONSIBILITY REPORT AND 2009 WEB PAGES**

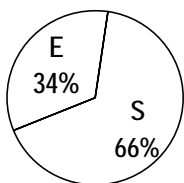
Pfizer has not updated its Corporate Responsibility Report since 2007. As such, much of the data regarding waste only went as far as 2006, and is in need of an update. In general both the company's report and website lack environmental and social data. Qualitatively, the information provided was far above the industry standard, but unfortunately, without un-normalized data to subsidize the information already provided, the overall quality of both the 2007 Corporate Responsibility Report, was greatly impacted.

~ Hallman

Comparison with sector averages



Source of points



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	75	Excellent
Management	75	Excellent
Policy	50	Good
Vision	75	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	10	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	29	Needs improvement
Management and Misc.	38	Needs improvement
Materials usage	7	Needs substantial improvement
Recycling	29	Needs improvement
Waste	29	Needs improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	30	Needs improvement
Policy	67	Good
Social Demographic	100	Excellent
Vision	50	Good

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	43	Needs improvement
Human Rights	73	Good
Management	86	Excellent
Qualitative Social	41	Needs improvement
Quantitative Social	8	Needs substantial improvement



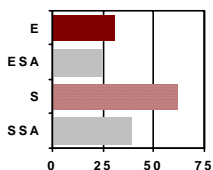
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**ROCHE GROUP**

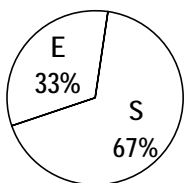
**B+**

**ROCHE GROUP 2008 ANNUAL REPORT AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



Roche Group explicitly defines its standing on several important social issues. Its 2009 half-year report includes information about the advancement of women, gender profiles, labor laws, social vision, employee benefits, business ethics, and health and safety protection. Global warming, ecosystem conservation, and biodiversity are expressed as company concerns with several initiatives as well. Roche Group provides explicit numerical goals for several of its indicators and the historical data reporting seems to be well organized.

~ D'Arcy

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	88	Excellent
Policy	75	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	51	Good
Emissions to water	0	Needs substantial improvement
Energy	43	Needs improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	11	Needs substantial improvement
Water	43	Needs improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	50	Good
Policy	100	Excellent
Social Demographic	0	Needs substantial improvement
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	43	Needs improvement
Human Rights	91	Excellent
Management	86	Excellent
Qualitative Social	41	Needs improvement
Quantitative Social	33	Needs improvement



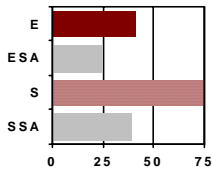
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**SANOFI-AVENTIS**

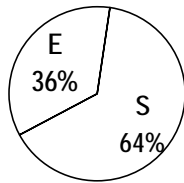


**SANOFI-AVENTIS 2008 SUSTAINABILITY REPORT AND 2009 WEB PAGES**

Comparison with sector averages



Source of points



Sanofi-Aventis has exemplary environmental and social reporting on its dedicated website. It provides both qualitative and quantitative data that encompass much of what the PSI scoring system analyzes. The website and 2007 Sustainability Report clearly outline the company's stance on ethical guidelines for the pharmaceutical business, low-income community outreach, and overall environmental and social impacts of its industry. In 2007, it was named to the Dow Jones Sustainability Index and has long been on the ASPI Eurozone sustainability index. The major area it could improve is use of external context for benchmarking its own performance data, without which it is difficult to deduce just how well Sanofi-Aventis is actually doing. There are a few areas of quantitative reporting it could also improve, especially data relating to materials usage, environmental and social investment, and any citations or fines it has incurred. Nevertheless, Sanofi-Aventis can be applauded for its overall exceptionally extensive reporting.

~ de Wolski

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	88	Excellent
Policy	100	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	41	Needs improvement
Emissions to water	48	Needs improvement
Energy	43	Needs improvement
Management and Misc.	5	Needs substantial improvement
Materials usage	7	Needs substantial improvement
Recycling	29	Needs improvement
Waste	29	Needs improvement
Water	71	Good

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	100	Excellent
Policy	100	Excellent
Social Demographic	100	Excellent
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	86	Excellent



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

Human Rights	100	Excellent
Management	100	Excellent
Qualitative Social	57	Good
Quantitative Social	35	Needs improvement



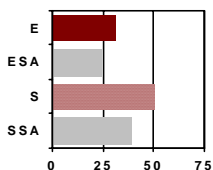
E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**SCHERING-PLOUGH CORPORATION**

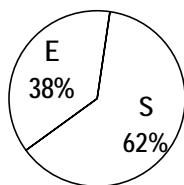


**SCHERING-PLOUGH 2009 WEB PAGES**

Comparison with sector averages



Source of points



Schering-Plough has published a generally good report of its environmental policies, but it should increase its quantitative reporting of actual performance to demonstrate commitment to the stated policies. Commendable areas include its decrease in fuel use and its increase in environmental spending and renewable energy consumption, but too much data is absent to glean an accurate idea of how the company is performing. In the social arena, the importance of a diverse workforce is stressed, but the implementation of human rights policies could be elaborated. Schering-Plough should fill in these gaps to demonstrate itself as a company truly committed to sustainability.

~ Astor

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	75	Excellent
Management	100	Excellent
Policy	75	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	64	Good
Management and Misc.	38	Needs improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	49	Needs improvement
Water	86	Excellent

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	100	Excellent
Management	80	Excellent
Policy	100	Excellent
Social Demographic	100	Excellent
Vision	100	Excellent

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	45	Needs improvement
Management	100	Excellent
Qualitative Social	63	Good
Quantitative Social	24	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

**WATSON PHARMACEUTICALS**

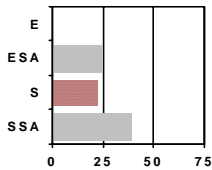


**WATSON PHARMACEUTICALS 2009 WEB PAGES**

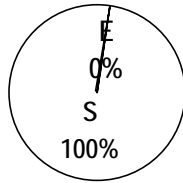
Watson Pharmaceuticals' 2009 web pages do not mention any of the pressing environmental issues of the 21st century faced by a pharmaceutical company. In addition, Watson does not report any quantitative social data, although it features an adequate code of conduct. Its "community" web pages feature several community outreach efforts, all of which it should be applauded for; however, in the future, Watson should expand its community development and education programs and establish a formal social policy statements and plans. Its mission statement vaguely addresses health and safety, but little information is provided to explain how Watson hopes to promote this area. Watson needs to begin reporting more quantitative data and establishing goals and initiatives to continuously promote sustainability, health, and safety.

~ Jimoh

Comparison with sector averages



Source of points



**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	0	Needs substantial improvement
Vision	0	Needs substantial improvement

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	0	Needs substantial improvement
Emissions to water	0	Needs substantial improvement
Energy	0	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	0	Needs substantial improvement
Recycling	0	Needs substantial improvement
Waste	0	Needs substantial improvement
Water	0	Needs substantial improvement

**SOCIAL INTENT**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Management	0	Needs substantial improvement
Policy	50	Good
Social Demographic	50	Good
Vision	25	Needs improvement

**SOCIAL REPORTING**

Question Category	Score	General Comment
Accountability	0	Needs substantial improvement
Human Rights	45	Needs improvement
Management	0	Needs substantial improvement
Qualitative Social	14	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score

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Quantitative Social                      2      Needs substantial improvement

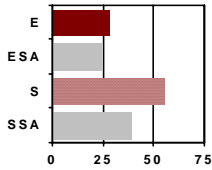


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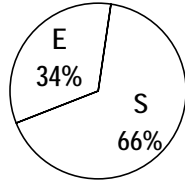
**WYETH**

**B+**

**Comparison with sector averages**



**Source of points**



**WYETH 2009 WEB PAGES**

The Wyeth Pharmaceuticals website shows commitment to social and environmental issues, and the fluidity of its interface provides for excellent navigation on Wyeth’s sustainability reporting; Wyeth has clear initiatives and strategic planning. Business partners and internal departments such as the Environmental and Safety Department collaborate on issues like industrial hygiene and environmental matters, and are currently in the planning stage of developing future networks. Efforts to curb energy consumption at the Wyeth plants include photovoltaics in its Madison, NJ plant, and the use of co-generation in five facilities. Within the office, Wyeth promotes green practices at work like bringing reusable bottles. More information on green purchasing initiatives would be useful, as well as an update on the Health and Safety reports which were last published in 2004. There is also no mention of stakeholder consultation about environmental issues, and additional information on energy, water and recycling would make Wyeth’s information more complete. Wyeth should also include transparent information on notices of violation, environmental investments, and environmental fines. The company has an intensive and impressive social vision and policy statement, with extensive reporting on business ethics. Excellent social reporting is provided on disclosing clinical trial information, animal testing welfare, and efforts aimed at providing access to health care for low-income communities - specifically by providing generous donations and improving drug affordability. Employees are supported by an established social health and safety organization with different committees to address various issues. Wyeth employees are engaged in many community outreach activities, ranging from promoting science and public health education to funding student research. Ranked in at #3 in Training Magazine, Wyeth is one of the Top 125 Companies for training. Employees not only receive top training but are met with inclusiveness. Wyeth has joined with the Catalyst organization aimed at expanding opportunities for women, and has its own training and networking groups such as Women in Leadership and Wyeth Research Diversity Leadership Development Program. Despite initiatives displaying social concern, human rights issues are in need of being addressed including fair compensation, forced labor, and working hours. Wyeth also should include additional quantitative social information—health and safety citations, fines, community investment and turnover rate.

~ Collins

**ENVIRONMENTAL INTENT**

Question Category	Score	General Comment
Accountability	50	Good
Management	38	Needs improvement
Policy	92	Excellent
Vision	100	Excellent

**ENVIRONMENTAL REPORTING**

Question Category	Score	General Comment
Emissions to air	39	Needs improvement
Emissions to water	19	Needs substantial improvement
Energy	21	Needs substantial improvement
Management and Misc.	0	Needs substantial improvement
Materials usage	7	Needs substantial improvement
Recycling	14	Needs substantial improvement



E = Total Environmental Score, ESA = Environmental Sector Average Score, S = Total Social Score, SSA = Social Sector Average Score
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Waste	17	Needs substantial improvement
Water	43	Needs improvement

### **SOCIAL INTENT**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	75	Excellent
Management	40	Needs improvement
Policy	83	Excellent
Social Demographic	50	Good
Vision	75	Excellent

### **SOCIAL REPORTING**

<i>Question Category</i>	<i>Score</i>	<i>General Comment</i>
Accountability	86	Excellent
Human Rights	64	Good
Management	86	Excellent
Qualitative Social	59	Good
Quantitative Social	24	Needs substantial improvement

### **CLAREMONT MCKENNA COLLEGE**

Claremont McKenna College, a member of the Claremont Colleges, is a highly selective, independent, coeducational, residential, undergraduate liberal arts college with a curricular emphasis on economics, government, and public affairs.

### **THE CLAREMONT COLLEGES**

The Claremont Colleges form a consortium of five undergraduate liberal arts colleges and two graduate institutions based on the Oxford/Cambridge model. The consortium offers students diverse opportunities and resources typically found only at much larger universities. The consortium members include Claremont McKenna College, Harvey Mudd College, Pitzer College, Pomona College, Scripps College, Keck Graduate Institute of Applied Life Sciences, and the Claremont Graduate University—which includes the Peter F. Drucker and Masatoshi Ito Graduate School of Management.

### **CONTACT INFORMATION**

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